

Presenting

# PIANC

The World Association for  
Waterborne Transport Infrastructure



**Presentation by  
Pablo Arecco  
Young Professional Commission (YP-Com)**

**at the occasion of  
5<sup>th</sup> PIANC YP-Com Biennial Technical Visit**

**5BTW, Ghent, Belgium / May 6<sup>th</sup>, 2015**



# What PIANC Stands For

**The global organisation providing guidance  
for sustainable waterborne transport infrastructure  
for ports and waterways**

- PIANC is the forum where professionals from around the world join forces to provide expert advice on cost-effective, reliable and sustainable infrastructure to facilitate the growth of waterborne transport.
- Established in 1885, PIANC is the longest-standing organisation in its field, and continues to be the leading partner for governments and private sector in the design, development and maintenance of ports, waterways and coastal areas.





# Our Mission

To remain the leading international source of waterborne transport-related information in the 21<sup>st</sup> century

## To provide expert guidance and technical advice

- Bringing together the best international experts, both public and private, on technical, economic and environmental issues pertaining to waterborne transport infrastructure
- High-quality *Technical Reports*
- International *Commissions and Working Groups*

## To keep the international waterborne transport community connected

- *Four-yearly PIANC World Congresses*
- *Four-yearly PIANC-COPEDEC International Conferences on Coastal and Port Engineering in Developing Countries*
- *Two-yearly Smart Rivers Conferences bringing experts together on inland waterway infrastructure.*

## To support Young Professionals and Countries in Transition

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# Our Membership

**38 Qualifying Members  
of which 25 have a National Section**

(i.e. governmental and non-governmental organisations representing a country)

**more than 2,000 Individual Members**  
(Students included)

**more than 450 Corporate Members**  
(port authorities, chambers of commerce, universities,  
other public- and private-sector organisations)

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# Our Membership

## 6 Platinum Partners



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# How we work

## Management

- **Annual General Assembly: 1 meeting per year (May)**
  - 2014 : San Francisco (USA)
  - 2015: Porto (Portugal)
  - 2016: Brugges (Belgium)
  - 2017: Cairns (Australia)
  - 2018: Panama
  - 2019: Japan (city to be confirmed)
  - \* Delegations of all Qualifying Members represented
  - \* Highest decision power.
- **Council: 2 meetings per year (February - October)**
  - \* First Delegates and ExCom members.
- **ExCom: 3 meetings per year (February, May, October)**
  - \* President, Secretary-General, 4 Vice-Presidents, Commission Chairpersons





# How we work

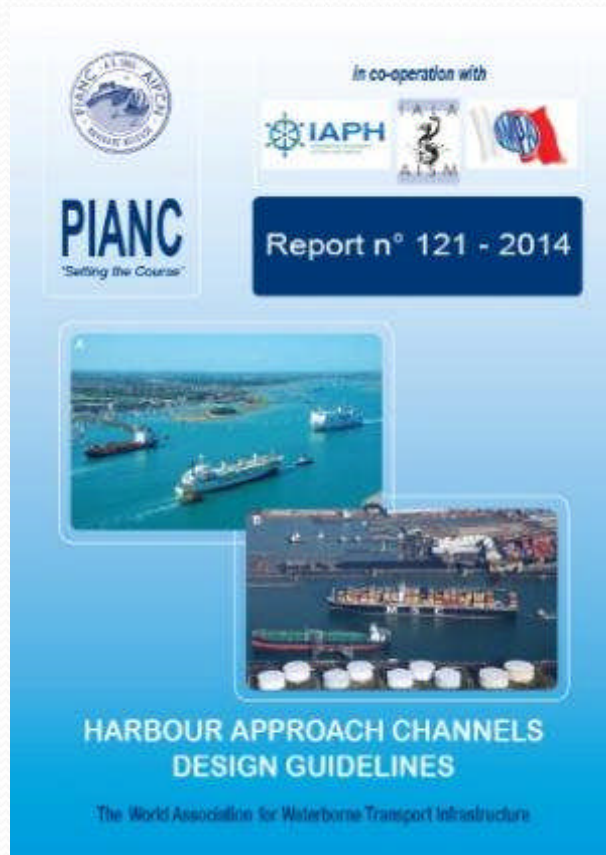
**Our Commissions and Working Groups reflect the unique variety of topics and issues covered by PIANC**

- 4 commissions for technical and scientific activities, focusing on: inland navigation (**InCom**), maritime navigation (**MarCom**), recreational navigation (**RecCom**) and environmental matters (**EnviCom**).
- 1 commission for international co-operation and relations with Countries in Transition (**CoCom**).
- Commissions execute PIANC's Strategic Plan, co-ordinate the work of our technical Working Groups and Permanent Task Groups, and provide reference information for conferences and publications.
- Participation open to delegates from each member country.
- *Specific commission (YP-Com)* created in 2006 to better serve their needs and develop their involvement in PIANC's activities.

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# Our Technical Reports



## The Core Business of PIANC

- Provide *state-of-the-art* guidance on waterborne transport-related topics for professionals
- Drafted by *international Working Groups* supervised by a Commission
- An average of 15 to 20 Working Groups active at any time!

**Available FOR FREE for all PIANC members on the Members Only pages!**

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Yo

The Netherlands



on

Argentina



日本



España



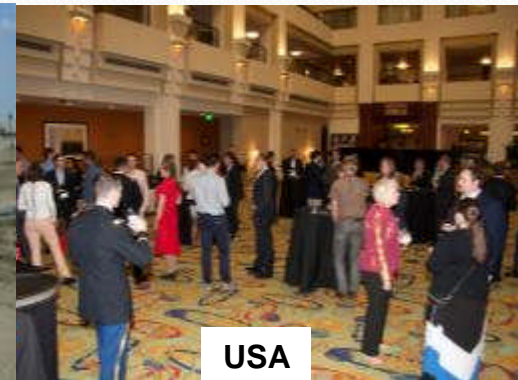
Singapura



België / Belgique / Belgien



USA



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36 delegates and 25 observers. More than 100 YPs in WGs and Coms



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# Young Professional in Traditional PIANC Activities

## PIANC Commissions & Working Groups

Strong YP participation in working groups & commissions

## National sections YP groups

Host technical tours, social gatherings, and meetings

## PIANC Congresses and Conferences

Important participation in PIANC Congress & 1<sup>st</sup> YP-Com Asian Seminar

## De Paepe-Willems Paper Award

strong competition in 2014 – 25 submittals from every continent (largest ever)

**3 prices: 4000.00; 2000.00 and 1000.00 EUR**

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# Young Professional in Traditional PIANC Activities

## Year-round E-Networking

More than **1600** joined PIANC Young Professionals on   
Upcoming events & questions are posted regularly

2012: **500**, 2013: **1000** & 2014: **1250**

## Exchange YP & Student program

Between some National Sections  
According to specific requests

## Sponsorship for events

By PIANC HQ, PIANC National Sections and Private Companies

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# YP Exchange program



**Cedric Bulcke**  
Belgian YP



**3 months internship**

Operations and gate processes at  
Terminal 4

**Coordination: Marcos de Vincenzi**  
(Argentine YP-Com delegate)

**Daily supervisor: Patricio Quirch**  
(APMT Executive Manager Operations)



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# PIANC Congress 2014, San Francisco



**Great Success!!!**

June 2014

156 YPs from 38 different countries in every continent (well, not from Antarctica)

More than 20% of the total participants were Young Professionals



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# New Secretary & CoChair



**Thank you Jessica for these wonderful  
8 years with YP-Com!!!**



**Welcome Inés Alvarez Benavides!!**

From Perú, Spain, USA & Argentina,  
appointed through PIANC Argentina.



**William Glamore PIANC Australia & DPWA winner 2008**

From January 2015, **Asia-Pacific Region Co-Chairman**,  
in close cooperation with our YP-Com delegates from Japan.

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# 4 days Seminar & Technical Visits



## 1st PIANC YP-Com Asian Seminar

December 8-11, 2014 - Yokohama, Japan

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# Biennial Technical Visits (BTV)

On alternating years between COPEDEC conferences and PIANC Congresses, YP-Com plans technical visits to unique navigation projects

## 1<sup>st</sup> BTV - Venice MOSE project, July 2007



## 2<sup>nd</sup> BTV - Danube River Integration System, September 2009



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## 3<sup>rd</sup> BTV - Maasvlakte 2, October 2011



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# 4<sup>th</sup> Biennial Technical Visit



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# Our Sponsors



**PIANC Argentina - PIANC Netherlands - PIANC UK - PIANC USA  
PIANC HQ**

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**32 PIANC Young Professionals**



International Study Trip  
**Panamérica**

**32 Students Froude Study Trip**





# 5<sup>th</sup> Biennial Technical Visit

Green & Blue Energy  
May 6-8, 2015  
Belgium



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# 5<sup>th</sup> Biennial Technical Visit

**Nathalie Gunst  
Belgian YP**

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## 5th YP-Com Biennial Technical Visit (BTV) Wind, Blue & Green Energy

### About PIANC

PIANC is a global organization providing guidance on sustainable waterborne transport infrastructure of ports and waterways. PIANC is the forum where professionals from all over the world join forces to provide expert advice on cost-effective, reliable and sustainable infrastructure to facilitate the growth of waterborne transport. Established in 1885, PIANC is the leading partner of government and private sector organisations in the design, development and maintenance of ports, waterways and coastal areas.

### About PIANC Young Professionals commission (YP-com)

YP-Com is dedicated to the career development of PIANC members under 40 years of age on a local, national, and global level. Opportunities in PIANC for Young Professionals include networking through meetings and events, experience on technical working groups, and education with scholarship opportunities.

### About BTV

At the inaugural meeting in 2006, the Young Professional Commission set out to organise a technical visit to a unique project every two years in cooperation with PIANC Congress and CO-PEDEC, targeted at Young Professionals. Since then, Young Professionals have toured the Venice Locks (Italy), Danube River Integration System (Austria), Maasvlakte 2 (Netherlands) and the Panama Locks (Panama). The 5th YPCom Biennial Technical Visit will take place in Belgium and will focus on offshore Wind, Blue & Green energy.

### Wind, Blue & Green Energy

The purpose of the 5th Biennial technical visit on Wind, Blue & Green energy is to provide insight into offshore wind farms and the opportunities to become leader in renewable or alternative energy.

### Program

The official opening ceremony will focus on the political and regulatory framework of offshore renewables and its position in the European context and will be held on Wednesday evening in Ghent. Herman Van Rompuy, President em. of the European Council, and Bart Tommelein, Belgian State Secretary for the North Sea will speak to us.

The second day will focus on Offshore Wind. In the morning there will be technical presentations and in the afternoon the participants will have the possibility to visit an offshore wind farm in the North Sea, approximately 30 km off the Belgian coast. An alternative onshore tour in the harbour of Ostend will also be possible.

The last day will focus on renewable energy specialisms such as energy storage, cable installation, energy recuperation on locks and research. The technical presentations will be followed by a boat tour in the harbour of Ghent.

On Saturday, there will be an optional post-BTV-technical visit.

## Wednesday, May 6 Ghent—Culture and Congress Centre 'Het Pand'

- 18:00 Welcome and registration
- 18:45 Introduction  
Pablo Arecco, PIANC YP-com Chairman
- 19:00 Opening speech  
Herman Van Rompuy, President em. of the European Council
- 19:40 Future regulatory framework for offshore renewable energy in Belgium  
Bart Tommelein, State secretary for the North Sea
- 20:15 Reception

## Thursday, May 7 Ostend—Flanders Marine Institute

- 07:30 Departure from Hotel
- 09:00 Welcome and registration
- 09:15 Introduction  
Jan Goemaere, Belgian PIANC-YP Chairman
- 09:30 Development and operation of offshore wind projects  
Stef Windels, Colruyt-group
- 10:00 Trends in transport and installation of offshore wind projects  
Luc Vandenbulcke, GeoSea
- 10:30 iLand, offshore pumped hydroelectric storage  
Frank Verschraegen, DEME
- 11:00 Coffee break
- 11:30 Simulate the assembly of offshore wind turbines  
Philippe Rigo, EOSIM
- 12:00 Design challenges of offshore wind support structures  
Nathalie Gunst, TORGUN
- 12:30 Sandwich lunch 'Mondial Impressions'
- Group 1 – Onshore tour—Port of Ostend
- 13:30 Falck Safety Services training center  
Peter Van Cauwenberghe, Falck
- 15:00 MRCC—Marine Rescue and Coordination Centre  
Capt. Réjane Gyssens, MRCC
- 16:00 C-Power Control and operation visiting centre  
Geert Dewaele, C-power
- Group 2—Offshore tour to wind farms
- 13:00 Visit to the Offshore Wind farm
- 18:00 Refreshments & drinks
- 18:30 BTV banquet (incl. presentation PIANC WG-161)

## Friday, May 8 Ghent—Port of Ghent Visitors' centre

- 08:15 Departure from Hotel
- 09:00 Welcome and registration
- 09:15 Introduction  
Jan Goemaere, Belgian PIANC-YP Chairman
- 09:30 Ocean Energy Systems  
em. prof. dr. ir. J. De Rouck, Belgian delegate OES
- 10:00 Environmental monitoring of offshore wind farms  
Piet Haerens, IMDC
- 10:30 Offshore substations, state-of-the-art projects  
Pascal Brunet, Fabricom
- 11:00 Coffee Break
- 11:30 Cable installation, state-of-the-art projects  
Carl Heremans, DJN Jan De Nul Group
- 12:00 Innovative concepts on energy recovery at shipping locks  
Marc Rynders, Tractebel Engineering
- 12:30 Sandwich lunch
- 14:00 Boat tour Port of Ghent.  
During the boat trip, there will be small presentations on:  
- GustoMSC, Arjan van der Brink, YP The Netherlands  
- PIANC YP-Com Asian Seminars, Hidenori Takahashi, YP-com  
- Upcoming PIANC YP-Com events, Inés Alvarez, YP-Com
- 16:00 Refreshments & drinks

## Saturday, May 9 Technical tour

- 09:00 Departure from Hotel
- 09:50 Visit DEME head-quarter—incl. dredging simulator
- 12:30 Lunch at Bebronna - Ketenislaan 1 - 9130 Kalle
- 14:00 Visit AMORAS—treatment and storage of maintenance dredging material
- 16:00 Departure to Hotel



Program subject to change. Correct as on April 29, 2015



# **5<sup>th</sup> Biennial Technical Visit**

**Jan Goemaere**  
**Belgian PIANC YP- Chairman**

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Stay in the know

**THANK  
YOU**



Connecting Young Professionals

[www.pianc.org](http://www.pianc.org)

Join PIANC Young Professionals on **LinkedIn** 



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