PIANC
The World Association for Waterborne Transport Infrastructure

Presentation by
Secretary-General PIANC
Managing Director FITA
at Seminar Belgium-Brazil
April 2-3, 2012

“Setting the course”
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.

“Setting the course”
Our Mission

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 22 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, consulting companies, contractors, universities,
other public- and private-sector organisations)
PIANC’s Qualifying Members with a National Section
Our Membership

7 Platinum Partners

Dredging International
Marine & Waterway Contractor

Penta-Ocean Construction Co., Ltd.

Van Oord

Impresa Pietro Cidonio S.p.A.

DJN

Hochtief Solutions AG

"Setting the course"

Brazil, 2-3 April 2012
How we work

Management

- **Annual General Assembly:** 1 meeting per year *(May)*
  - 2012: Valencia (Spain)
  - 2013: Marseille (France)
  - 2014: San Francisco (USA)
  * 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
Our Commissions and Working Groups reflect the unique variety of topics and issues covered by PIANC

- 4 commissions for technical 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.
Special focus on Young Professionals

- **Specific commission (YP-Com)** created in 2006 to better serve their needs and develop their involvement in PIANC’s activities.

- **Our objective:** create an international network of Young Professionals, to share knowledge and facilitate contacts with the world’s leading specialists across all working fields.

- **PIANC De Paepe-Willems Award:** special prize established as a recognition of outstanding technical research on waterborne transport infrastructure by young engineers.
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!

Brazil, 2-3 April 2012
Focus on InCom and MarCom

**InCom Members**

**Chairman**  
Mr Yves Morin, France

**Vice-Chairman**  
Mr Philippe Rigo, Belgium

**Secretary**  
Mrs Jasna Muskatirovic, Serbia

**Members**  
Mr Esteban Lefler, Spain  
Mr Luca Crose, Italy  
Miss Milou Wolters, The Netherlands  
Mr Lieven Geerinck, MRC  
Mrs Ton Nu Thi Thanh Yen, Vietnam  
Mr Benoît Deleu, France  
Mr Risto Läng, Finland  
Mr John Clarkson, USA

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**Alternate members**  
Mr Jolke Brolsma, The Netherlands  
Mr Ljubisa Mihajlovic, Serbia  
Mr Reinhard Pflegl, Austria  
Mr William Ronald Coles, USA

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**Young Professional**  
Mr Jürgen Trögl, Austria

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Brazil, 2-3 April 2012
Focus on InCom and MarCom
InCom Working Group reports published since 2006

2006: InCom WG 26 “Design of Movable Weirs and Storm Surge Barriers”
2006: InCom WG 25 “Maintenance and Renovation of Navigation Infrastructure”
2008: InCom WG 96 “Developments in the automation and remote operation of locks and bridges”
2008: InCom WG 99 “Considerations to reduce environmental impacts of vessels”
2009: InCom WG 106 “Innovations in navigation lock design”
2010: InCom WG 110 “Governance Organisation and Management of River Ports”
2010: InCom WG 111 “Performance Indicators for Inland Waterways Transport – User Guideline”
2011: InCom WG 125 part I “the Implementation Status of River Information Services status 2010”
2011: InCom WG 125 part II “RIS Related Definitions”
2011: InCom WG 125 part III “Guidelines and Recommendations For River Information Services”
Focus on InCom and MarCom

InCom ongoing Working Groups

InCom WG 30 “Inventory of Inspection and Repair Techniques of Navigation Structures”
InCom WG 127 “Fish passage”
InCom WG 129 “Waterway infrastructure asset maintenance management”
InCom WG 137 “Navigation structures resilience to overloading”
InCom WG 138 “Mechanical and electrical engineering - lessons learnt from navigation structures”
InCom WG 139 “Values of Inland waterways”
InCom WG 140 “Semi-probabilistic design concept for inland hydraulic structures”
InCom WG 141 “Design guidelines for inland waterways”
InCom WG 151 “Impacts of seismic loads and ship impact on lock gates”
InCom WG 154 “Mitre Gate Design and Operation”
InCom WG 155 “Ship Behaviour in Locks and Lock Approaches”
InCom WG 156 “E-Navigation for Inland Waterways”
Expert Group MarCom/InCom: “Direct access of maritime ports by inland waterway”

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Brazil, 2-3 April 2012
Focus on InCom and MarCom

MarCom Members

**Chairman**
Mr Francisco Esteban Lefler, Spain

**Secretary**
Mr Dominique Etienne, France

**Members**
Mr Luc Van Damme, Belgium
Mr Hans Burcharth, Denmark
Mr Veikko Saukkonen, Finland
Mr Stefan Hauser, Germany
Mrs B. Poiyaamozhi, India
Mr Andrea Ferrante, Italy
Mr Ali Akbar Safaee, Iran
Mr Yoshiaki Higuchi, Japan

Mr Mr Arjan van der Weck, The Netherlands
Mr Tore Lundestad, Norway
Mr Rafael Escutia, Spain
Mr Kjell Karlsson, Sweden
Mr Peter Hunter, UK
Mr Dan Allen, USA
Mr Fer van de laar, IAPH

**Young Professional**
Mrs Hadewych Verhaeghe, Belgium
Mr David Romero Faz, Spain
Mr Manuel Arana Burgos, Spain

**Alternate members**
Mr Stephen Cork, UK
Mr P.E. Vahan Tanal, USA

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Focus on InCom and MarCom
MarCom Working Group reports published since 2006

2008: MarCom WG 102 “Minimising Siltation in Harbours”
2010: MarCom WG 112 “Mitigation of tsunami disasters in Ports”
2011: MarCom WG 113 “The Application of Geosynthetics in Waterfront Areas”
Let us focus on InCom and MarCom

MarCom ongoing Working Groups

MarCom WG 47 “Criteria for the selection of Breakwater types”
MarCom WG 48 “Guidelines for Port Constructions related to bowthrusters”
MarCom WG 49 “Horizontal and Vertical Dimensions of Fairways”
MarCom WG 51 “Water Injection Dredging”
MarCom WG 52 “Criteria for the (un-)loading of Container ships”
MarCom WG 54 “Use of Hydro/meteo information to optimize safe port access”
MarCom WG 55 “Safety aspects of berthing operations of oil and gas tankers”
MarCom WG 135 “Design principles for container terminals in small and medium ports”
MarCom WG 144 “Classification of soils and rocks for dredging process”

“Setting the course”
Focus on InCom and MarCom

MarCom ongoing Working Groups (continued)

MarCom WG 145 “Berthing velocities and fender design”
MarCom WG 146 “Recommendations for the design and operation of solid bulk floating marine or estuarine transshipment terminals”

Expert Group MarCom/InCom: “Direct access of maritime ports by inland waterway”
MarCom WG 152 “Guidelines for cruise terminals”
MarCom WG 153 “Design of marine oil terminals”
MarCom WG 158 “Masterplans for the development of Existing Ports”
MarCom WG 159 “Renewable energy for maritime ports”
MarCom Expert Group 160 “General principles for the design of maritime structures”
MarCom WG 161 “Interaction between offshore wind farms and maritime navigation”

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Focus on InCom and MarCom

Brazil <= InCom & MarCom

1. > 40,000 km navigable waterways
2. +/- 13,000 km in use and regulated by ANTAQ (Expansion, upgrading, ....)
3. "Strategic Plan for the Inland Navigation in Brazil"
4. Brazilian experts to join InCom and MarCom and their Working Groups
5. Focus on basin wide approach
6. “The waterway is the best way”: an integrated and sustainable part of the logistic chain
PUBLIC MARITIME PORTS
34

“Setting the course”

Brazil, 2-3 April 2012
PORT TERMINALS
IN PRIVATE USE (TUP)
129

“Setting the course”
Focus on CoCom

Officio nº 19 /2012-DG

Secretary-General Mr. Louis Van Schel
Koning Albert II-Laan, 20 - bus 2
1000 Brussel
PIANC
Bélgica

Subject: Confirmation letter – Organization of the AGA/PIANC and the IX PIANC-COPEDEC Conference in Brazil (2016).

Dear Mr. Louis Van Schel,

1. We hereby confirm that ANTAQ, together with PIANC, will be organizing the AGA/PIANC and the IX PIANC-COPEDEC Conference in Brazil in the year of 2016.

2. Additionally, we also confirm the permission to announce this information at the occasion of the VIII PIANC-COPEDEC Conference in Chennai (India) from 20 until 24/02/2012.

3. On behalf of this National Regulatory Agency, I am certain that the above mentioned events will be of tremendous value for both Brazil and PIANC, strengthening the relationship between Brazil and PIANC-member countries. Furthermore, ANTAQ expects that this partnership keeps growing in both importance and effectiveness throughout the years.

4. We shall await for further information in regard to the procedures towards the organization of the AGA/PIANC and the IX PIANC-COPEDEC in Brazil in the year of 2016.

5. I am looking forward to hearing from you at your earliest convenience.

Yours sincerely,

FERNANDO ANTONIO BRITO FIALHO
Director-General / ANTAQ

Agência Nacional de Transportes Aquaviários
SEPN - Quadra 514 - Conjunto "E" - Edifício ANTAQ - CEP: 70760-245 - Brasília-DF

Brazil, 2-3 April 2012
PIANC and Brazil

CONCLUSIONS:

• Huge potentialities in Brasil for inland and maritime activities.
• Brazil = main partner of PIANC
• Brazil as Qualifying Members to install a National Section
• Brazil shares knowhow with the rest of international navigation community.
• Brazil is host country for the AGA and PIANC-COPEDEC IX Conference in 2016 through ANTAQ
Our E-Magazine ‘On Course’

3 issues per year
(January, July, October)

- Full-colour publication
- Articles dealing with case studies, recent technical developments, news from the waterborne transport community...

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

“Setting the course”

Brazil, 2-3 April 2012
Our Yearbook

1 issue per year
(April)

- Full-colour publication (Hard Copy + Website)
- Technical articles dedicated to the host country of the AGA
- An overview of the activities of the National Sections & Qualifying Members
- The main points of interest of the commission on which they focused in the previous year, highlights of WG-reports, technical visits, etc.
- An overview of the activities of our Platinum Partners
- Article De Paepe-Willems Award winner
- ...

“Setting the course”

Brazil, 2-3 April 2012
Our E-Newsletter ‘Sailing Ahead’

Currently 6 issues per year

Contents

• Reports on activities at the international and national levels
• News from the National Sections
• News from the Commissions and their Working Groups

Objectives

• To provide members and non-members with an overview of latest PIANC activities
• To become the means of communication between management and membership

Brazil, 2-3 April 2012
Sister Associations

- PIANC co-operates regularly with many other national and international organisations, including the International Maritime Organisation (IMO), the United Nations Environment Programme (UNEP) and international dredging organisations (IADC, CEDA, WODA).
- PIANC has also signed Memorandums of Understanding with four Sister Associations:

  [Images of the logos of IAPH, CENTRAL COMMISSION FOR NAVIGATION ON THE RHINE, ICOMIA, and IALA AISM]

“Setting the course”

Brazil, 2-3 April 2012
7 reasons to join PIANC

1. Join a worldwide network of fellow experts and professionals

2. Benefit from more than a century of expertise

3. Gain access to advanced technical information

4. Share your knowledge and experience through Working Groups, Commissions and National Sections

5. Make your voice heard within the community and on the international scene

6. Use a unique springboard for Young Professionals

7. Team up with public decision-makers

“Setting the course”

Brazil, 2-3 April 2012
Your Contacts

1. PIANC Headquarters
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Blvd. du Roi Albert II, 20-B3
B-1000 Brussels (Belgium)
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E-mail: info@pianc.org

2. PIANC Management

Mr Geoffrey Caude
President

Mr Louis Van Schel
Secretary-General

“Setting the course”
See you at our next PIANC-COPEDEC Conference

PIANC-COPEDEC IX Conference
Brazil in 2016

See you at our next PIANC SMART Rivers Conference

PIANC SMART Rivers Conference 2013
Maastricht, The Netherlands & Liège, Belgium
September 23-27, 2013

See you at the next PIANC World Congress

33rd PIANC World Congress
San Francisco, USA
May 28-June 5, 2014

“Setting the course”
Obrigado !
Thank you !

“Setting the course”