PIANC
The World Association for Waterborne Transport Infrastructure

Presentation by
MarCom

OVERVIEW OF ACTIVITIES 2018-2019
at the occasion of AGA 2019
Kobe (Japan) June 5, 2019
# MarCom members 2018 (end)

**Chairman:** Francisco Esteban Lefler  
**Secretary:** Noelia González Patiño (Spain, alt.)

<table>
<thead>
<tr>
<th>Country</th>
<th>Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argentina</td>
<td>Carlos Gines</td>
</tr>
<tr>
<td>Australia</td>
<td>Peter Fountain</td>
</tr>
<tr>
<td>Belgium</td>
<td>Koen Van Doorslaer</td>
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<tr>
<td>Colombia</td>
<td>Héctor Escobar</td>
</tr>
<tr>
<td>Denmark</td>
<td>Hans F. Burchartha</td>
</tr>
<tr>
<td>Finland</td>
<td>Simo Kerkelä</td>
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<tr>
<td>France</td>
<td>Pierre Aristaghies</td>
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<table>
<thead>
<tr>
<th>Country</th>
<th>Member</th>
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<tbody>
<tr>
<td>Iran</td>
<td>Mohammad Reza Allahyar</td>
</tr>
<tr>
<td>Italy</td>
<td>Andrea Ferrante</td>
</tr>
<tr>
<td>Japan</td>
<td>Yoshiaki Higuchi</td>
</tr>
<tr>
<td>Korea</td>
<td>Iksoon Cho</td>
</tr>
<tr>
<td>The Netherlands</td>
<td>Arjan van der Weck</td>
</tr>
<tr>
<td>Norway</td>
<td>Tore Lundestad</td>
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<tr>
<td>Philippines</td>
<td>Constante T. Fariñas</td>
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# MarCom members 2018 (cont.)

<table>
<thead>
<tr>
<th>Country</th>
<th>Member</th>
<th>Country</th>
<th>Alternate Member</th>
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</thead>
<tbody>
<tr>
<td>Spain</td>
<td>Rafael Escutia</td>
<td>Argentina</td>
<td>Marcelo Peyregne</td>
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<tr>
<td>Sweden</td>
<td>Mattias Sandell</td>
<td>Australia</td>
<td>Scott William Keane</td>
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<tr>
<td>United Kingdom</td>
<td>Peter Hunter</td>
<td>Colombia</td>
<td>C.N. Juan Francisco Herrera</td>
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<tr>
<td>USA</td>
<td>Ron E. Heffron</td>
<td>France</td>
<td>Olivier Piet</td>
</tr>
<tr>
<td>IAPH</td>
<td>Patrick Verhoeven (temp.)</td>
<td>Iran</td>
<td>Babak Banijamali</td>
</tr>
<tr>
<td>YP Com observer</td>
<td>Ed Backlund</td>
<td>Philippines</td>
<td>Carlito M. Castillo</td>
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<tr>
<td></td>
<td></td>
<td>Spain</td>
<td>Noelia González (MarCom Secretary)</td>
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<tr>
<td></td>
<td></td>
<td>USA</td>
<td>Richard Styles</td>
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## MarCom members 2018 (cont.)

### MarCom membership summary
December 2018

<table>
<thead>
<tr>
<th>Country</th>
<th>Young Professional</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Finland</td>
<td>Kim Andersson-Berlin</td>
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<tr>
<td>Philippines</td>
<td>Christopher H. Ornum</td>
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<tr>
<td>Spain</td>
<td>Santiago Povedano</td>
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<tr>
<td>USA</td>
<td>Christopher Thomas</td>
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<tr>
<td>United Kingdom</td>
<td>Michael Grace</td>
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<tr>
<td>USA (YPCom)</td>
<td>Ed Backlund</td>
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<table>
<thead>
<tr>
<th>Group</th>
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<tbody>
<tr>
<td>Chairman</td>
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<tr>
<td>Members National Sections</td>
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<td></td>
</tr>
<tr>
<td>Members Sister Associations</td>
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<td>IAPHD</td>
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<tr>
<td>Alternate members</td>
<td>8</td>
<td>Inc. MarCom</td>
</tr>
<tr>
<td>Secretary</td>
<td></td>
<td>Secretary</td>
</tr>
<tr>
<td>Young Professionals</td>
<td>6</td>
<td>Inc. YPCom</td>
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<tr>
<td>TOTAL</td>
<td>34</td>
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MarCom membership 2018
Participation in MarCom ongoing Working Groups

Sister and other Associations

Platinum Partners
Programme 2018

4 WG Reports delivered for publication (1 in 2018 and 3 in 2019)

Action Plan 2019-2023 delivered to MarCom in December 2018

Action Plan 2014-2018 goal:

“Improve professional production of MarCom Working Groups and Expert Group Reports”

- Five additional WGs are on a fast performance
- Finished: analysis on WG list on PIANC web site, classifying:
  - Updated
  - Needs update
  - Partially superseded
  - Fully superseded
Programme 2018 (cont.)

- Ongoing methodology for keeping the list updated
- Results:
  - Proposal of new Working Groups updating old Reports
  - Extension of the scope of new WG’s in order to achieve a full and up to date coverage of main topics relevant for PIANC
- Analysis of new topics of interest for PIANC members and stakeholders
- Five Terms of Reference were submitted to ExCom and approved during 2018
- WG meetings (153B) and presentations in the 34th World Congress (Panama)
Meetings 2018

Brussels, January 30th and 31st

- PIANC week
- 1 Presentation: WG 161
- First discussion on Action Plan 2019-2023

Seville (Spain) October 16th

- Coordinated with 4th Mediterranean Days and Spanish National Section Congress on “Working with Nature”
- 3 Presentations: WGs 159, 184 and 185
- Technical Visit to the Port of Seville (joint with the Congress)
Technical visit to Port of Seville
WG Report published 2018

Report WG 161 ‘Interaction between offshore wind farms and maritime navigation’

Chairman Mr. Jean Charles Cornillou (France)

- Guidelines and recommendations for:
  - Manoeuvring space for ships in the vicinity of OWF
  - Distance between shipping lanes and sea areas
- Legal aspects
- Electromagnetic Radiations
- Emergency procedures
WG Report published 2019 (I)

Report WG 159 ‘Renewables and Energy Efficiency for Maritime Ports’

Chairman Mr. Andrea Ferrante (Italy)

- Energy in Marine Ports
- Energy efficiency in Port Areas
- Renewable energy for Maritime Ports
- Roadmap and challenges for the future
Report WG 184 ‘Design Principles for Dry Bulk Marine Terminals’

Chairman Mr. Richard Morgan (Australia)

- Location, layout, geometry and type of terminals
- Vessel handling and mooring
- Cargo handling equipment
- Operational considerations
- Transhipment
- Social and environmental considerations
- Impact of Climate Change
WG Report published 2019 (III)

Report WG 185 ‘Ports on Greenfield sites – Guidelines for site selection and masterplanning’

Chairman Mr. Ian Cruikshank (UK)

- Vision and Strategic Plan
- Functional and performance requirements
- Spatial needs
- Assessment of potential sites and options
- Management, permitting and procurement
WG Reports expected to be ready for publication in 2019 – Early 2020

- WG 145 ‘Berthing Velocities in Sheltered Environments’
- WG 164 ‘Upgrade of Port Terminals by increasing dredged depth’
- WG 171 ‘Ship Handling Simulation Dedicated to Channel and Harbour Design’
- WG 186 ‘Mooring of Large Ships at Quay Walls’
Other active WGs

- WG 153 (Update) ‘Recommendations for the Design of Marine Oil Terminals’
- WG 180 (Update) ‘Guidelines for protecting berthing structures from scour caused by ships’
- WG 187 ‘Protection of Undersea Pipelines and Cables in Navigable Areas’
- WG 194 ‘A Framework for Early Contractor Involvement in Infrastructure Projects’
- WG 199 (InCom) ‘Health Monitoring for Port and Waterway Structures’
- WG 200 ‘Recommendations for the Design and Assessment of Marine Single Point Mooring (SPM) or Multiple Point Mooring (MPM)’
Other active WGs (cont.)

- WG 205 ‘Design and Construction of Breakwaters on Soft Sea beds’
- WG 208 ‘Planning for Automation of Container Terminals’
- WG 211 ‘Guidelines for the design of Fender Systems’
- WG 212 ‘Criteria for acceptable movements of ships at berth’

WG 205 ‘Design and Construction of Breakwaters on Soft Sea beds’
WG 208 ‘Planning for Automation of Container Terminals’
WG 211 ‘Guidelines for the design of Fender Systems’
WG 212 ‘Criteria for acceptable movements of ships at berth’

WG 213 ‘Design Guidelines for marine multipurpose terminals’
WG 215 (MarCom/InCom) ‘Accidental Impacts from Ships on Fixed Structures’
ToR under development

- Seismic Design (update)
- Fishing Terminals (update)
- Post-extreme event inspection
Future topics for WGs

- Construction Risk in the Marine Environment
- Open Sea Terminals
- Materials for breakwaters – Circular Economy

... and some other ideas
Cooperation with other Commissions

- EnviCom Working with Nature
- EnviCom Permanent Task Group on Climate Change
- Jury of the De Paepe Willems Award
- InCom:
  - Joint WG 199: (InCom) ‘Health Monitoring for Port and Waterway Structures’
  - Joint WG 215 ‘Accidental Impacts from Ships on Fixed Structures’
On behalf of MarCom colleagues: Thank you for your attention!