



# Presenting

# PIANC

The World Association for Waterborne  
Transport Infrastructure



*Presentation by*  
*Magnus Bach-Gansmo – YP delegate Norway*  
*Maren Elise Bengtson – YP international*

**Coastal engineering day / 10.04.2024**



# Coastal Engineering day

- Links between the university and industry
- Inspire the young talents
- Green energy and its impact on port infrastructure



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# Agenda

## Final program Coastal Engineering Day

- 09:30 *Welcome and information about PIANC Young Professionals.*  
Magnus Bach-Gansmo – Norconsult / PIANC Norway Young Professional  
Maren Elise Bengtson – Oslo Havn KF / PIANC YP International
- 09:50 *Offshore wind – past, present and the future*  
Hanne Wigum – Equinor
- 10:20 *Energy islands*  
Jan Holme – DNV
- 10:50 *15 min break*
- 11:05 *Hva må gjøres for å ta i bruk dagens havner til industriareal for OWT boom'en*  
Marit Reiso – Olav Olsen
- 11:35 *Ports: Essential for development of the Norwegian offshore wind industry*  
Turid Storhaug – Windport
- 12:05 *Lunch*
- 13:05 *Bottom fixed offshore wind turbines in extreme waves*  
Bjørn Abrahamsen – SINTEFS
- 13:35 *Stabilisering og solidifisering av forurensede sedimenter*  
Maren Elise Bengtson - Oslo Havn KF
- 14:05 *CO2 lagring*  
Mathias Singsaas Frøseth – DHI

- 14:35 *15 min break*
- 14:50 *REEF Consulting AS and innovation in green shift*  
Hans Bihs – REEF Consulting
- 15:10 *Islaster i havner og fjorder*  
Knut Wilhelm Høyland - NTNU
- 15:25 *High efficiency and fully nonlinear floating offshore wind turbine modeling*  
Edgar Chavez – NTNU
- 15:35 *Mulighetene og utfordringene knyttet til gjenbruk av flyteplattformer for vindkraftproduksjon*  
Knut-Marius Olafsen Sjøstad - NTNU
- 15:45 *Floating solar farm response in waves*  
Halvor Aslaksen – NTNU
- 16:00 *Closure*



# PIANC – 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

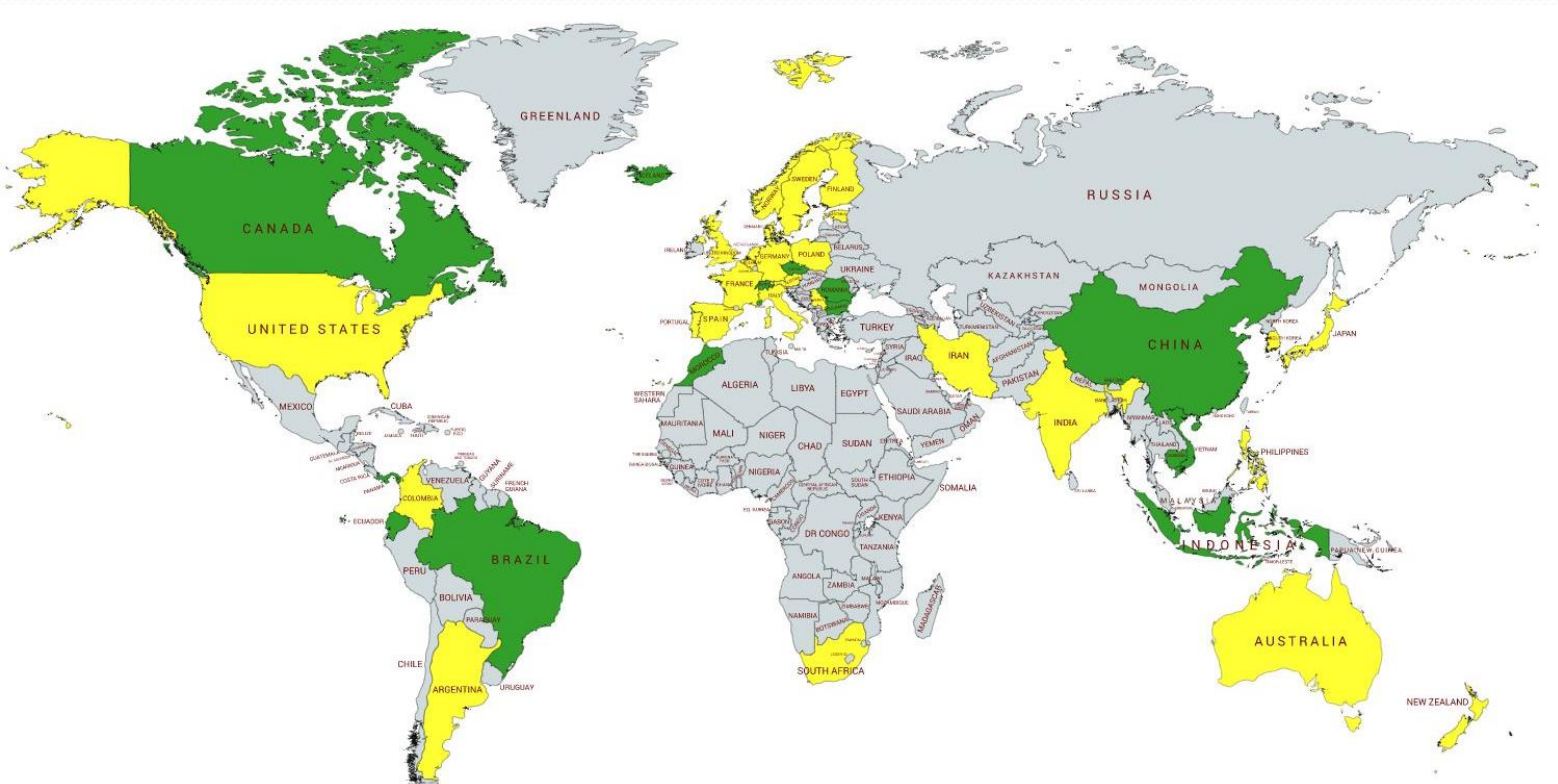
- *Four-yearly PIANC World Congresses – in South Africa 2024*
- *Two-yearly NordPIANC – in Lofoten 3. – 5. September*
- *Two-yearly Biennial technical visit – last time in FI, USA*

To support Young Professionals and Countries in Transition



# Our Membership

**43 Qualifying Members (QM) of which 27 have a National Section (NS)**  
(i.e. governmental and non-governmental organisations representing a country)



**more than 1,800 Individual Members**  
(Students included)

**About 500 Corporate Members**  
(port authorities, chambers of commerce, universities, other public- and private-sector organisations)

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# Our Technical Reports



**PIANC**  
The World Association for Waterborne  
Transport Infrastructure

PIANC FENDER GUIDELINES 2024



**PIANC**

InCom WG Report  
n° 191 - 2020



Maritime Navigation Commission



Inland Navigation Commission



Environmental Commission



Recreational Navigation Commission



SINGLE POINT YACHT MOORINGS

The World Association for Waterborne Transport Infrastructure



RESILIENCE OF THE MARITIME AND INLAND  
WATERBORNE TRANSPORT SYSTEM

The World Association for Waterborne Transport Infrastructure

## The Core Business of PIANC

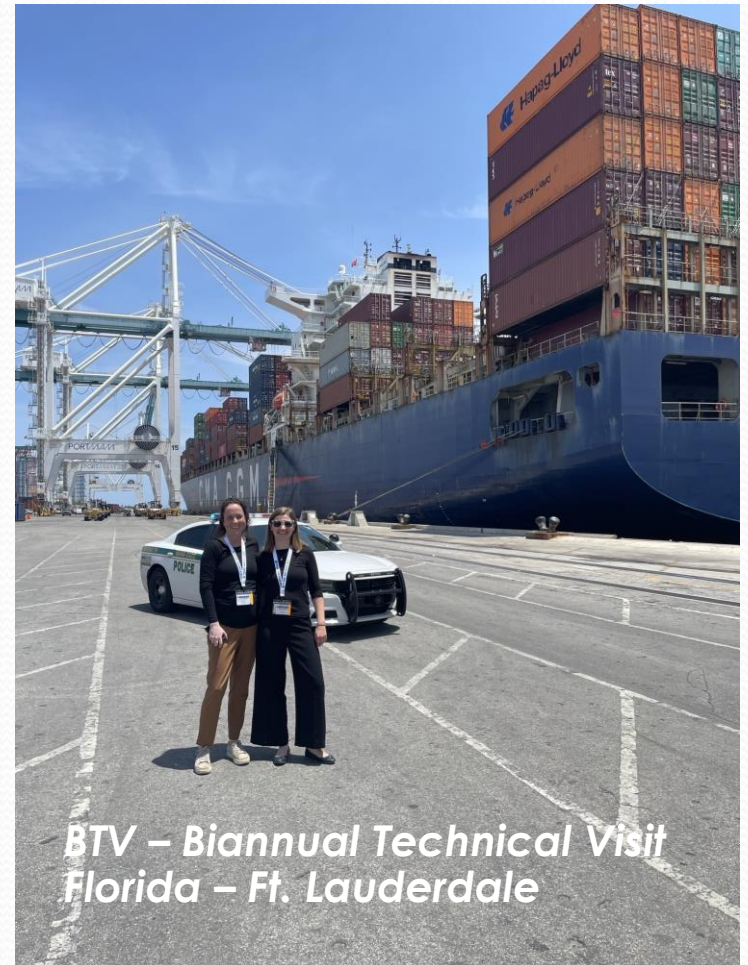
- Provide *state-of-the-art* guidance on waterborne transport-related topics for professionals
  - *MarCom, InCom, RecCom and EnviCom*
  - An average of 15 to 20 Working Groups active at any time!

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# YP-COM

**Our objective: create an *international network of Young Professionals*, and to encourage and promote active participation of Young Professionals in PIANC**



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# YP-COM

- Every country with a YP group has a delegate and an alternate delegate in YP-COM.
- At least four meetings per year – mainly digital.
- Every YP group should have at least one event per year.
- BTV – Biannual Technical Visit
  - 2023 – Ft. Lauderdale (Florida)
  - 2025 – Busan (South Korea)
- Activities during the World Congress (arranged every 4<sup>th</sup> year)
  - 2024 – Cape Town (South Africa): Meeting, Workshop, Keynote speaker, ice-breaker activity, networking event



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# YP-COM

## AWARDS

- **PIANC DE PAEPE-WILLEMS AWARD (DPWA):**
  - special prize established as a recognition of outstanding technical research on waterborne transport infrastructure by young engineers (< age of 40).
  - 3 prizes: 4,000.00; 2,000.00 and 1,000.00 EUR

# YP-COM: Norway

- 7 active members from NTNU, Oslo Havn KF, Norconsult and DHI
- Coastal engineering day
- Technical site visits



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# Upcoming Events in Norway

- Technical site visit autumn 2024, local YP Norway event, open to suggestions
- Nord-PIANC in Lofoten 3<sup>rd</sup> – 5<sup>th</sup> September 2024
- Stay tuned on [www.Pianc.no](http://www.Pianc.no) and PIANC Young Professionals on LinkedIn



Trollfjord, Lofoten

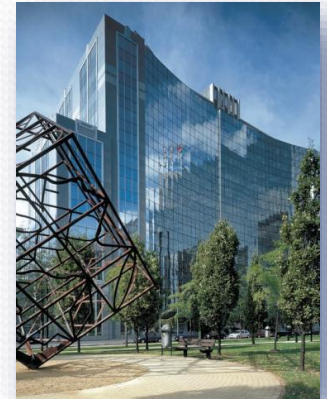
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# Contact us

## PIANC HEADQUARTERS

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## PIANC Norway



*Maiken Lyden Eng*  
President



*Magnus Bach-Gansmo*  
YP-Com Delegate Norway

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# THANK YOU

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