



Presenting

PIANC

The World Association for Waterborne
Transport Infrastructure



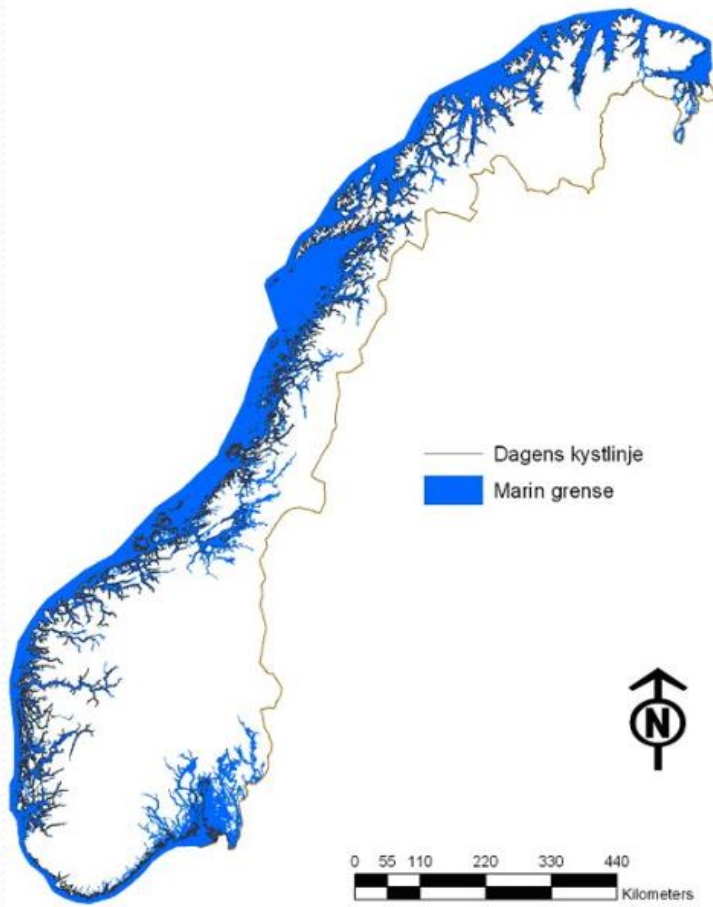
***Presentation by
Magnus Bach-Gansmo – YP delegate Norway***

***at the occasion of
Coastal Engineering Day – NTNU, 31.03.2022***

Venue-Occasion / date



Coastal engineering day



Venue-Occasion / date



Agenda

- 10:00 *Welcome and information about PLANC and Young Professionals.*
Magnus Bach-Gansmo – Norconsult / PLANC Norway YP-Com delegate
- 10:20 *What it's like to be an underwater contractor*
Malin Meinhold Moldeklev – Sjøentreprenøren
- 10:40 *Solving challenges in water environments with numerical modelling*
Mathias Singsaas Frøseth – DHI
- 11:00 *Risk assessment of sea level rise, storm surges and high waves for infrastructure planning in Norway*
Athul Sasikumar – Norconsult
- 11:20 *Environmental engineering aspects in constructions in marine civil engineering*
Anita Whitlock Nybakk – Norconsult
- 11:40 **Lunch**
- 12:40 *Global analyses of OO-Star Wind Floater concept for floating offshore wind*
Håkon S. Andersen – Dr. Techn. Olav Olsen
- 13:00 *DNORA: Open-access dynamical downscaling of open-ocean wave hindcast/forecast for coastal areas*
Konstantinos Christakos – MET Norway/ NTNU
- 13:20 *Offshore wind turbine support structures Design, Optimisation and innovative concepts*
Michael Muskulus- NTNU
- 13:40 *MooringSense - European research and innovation project to reduce the floating offshore wind costs*
Synne Nybø - SINTEF
- 14:00 **Coffee break**
- 14:20 *Glacial Ice and Offshore Structure Impacts under Wave and Current Excitation*
Wenjun Lu – NTNU
- 14:40 *Rapid nonlinear numerical modelling and force calculation, digitalisation skills in education at NTNU*
Arun Kamath - NTNU
- 15:00 *Next-Generation Modelling of Open Ocean Aquaculture Structures*
Hans Bihs – NTNU
- 15:20 *Q&A, Marine Civil Engineering at NTNU, Summary and comments*
Arun/ Magnus
- 15:40 **Networking**



PIANC – our mission

To remain the leading international source of waterborne transport-related information in the 21st 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.*

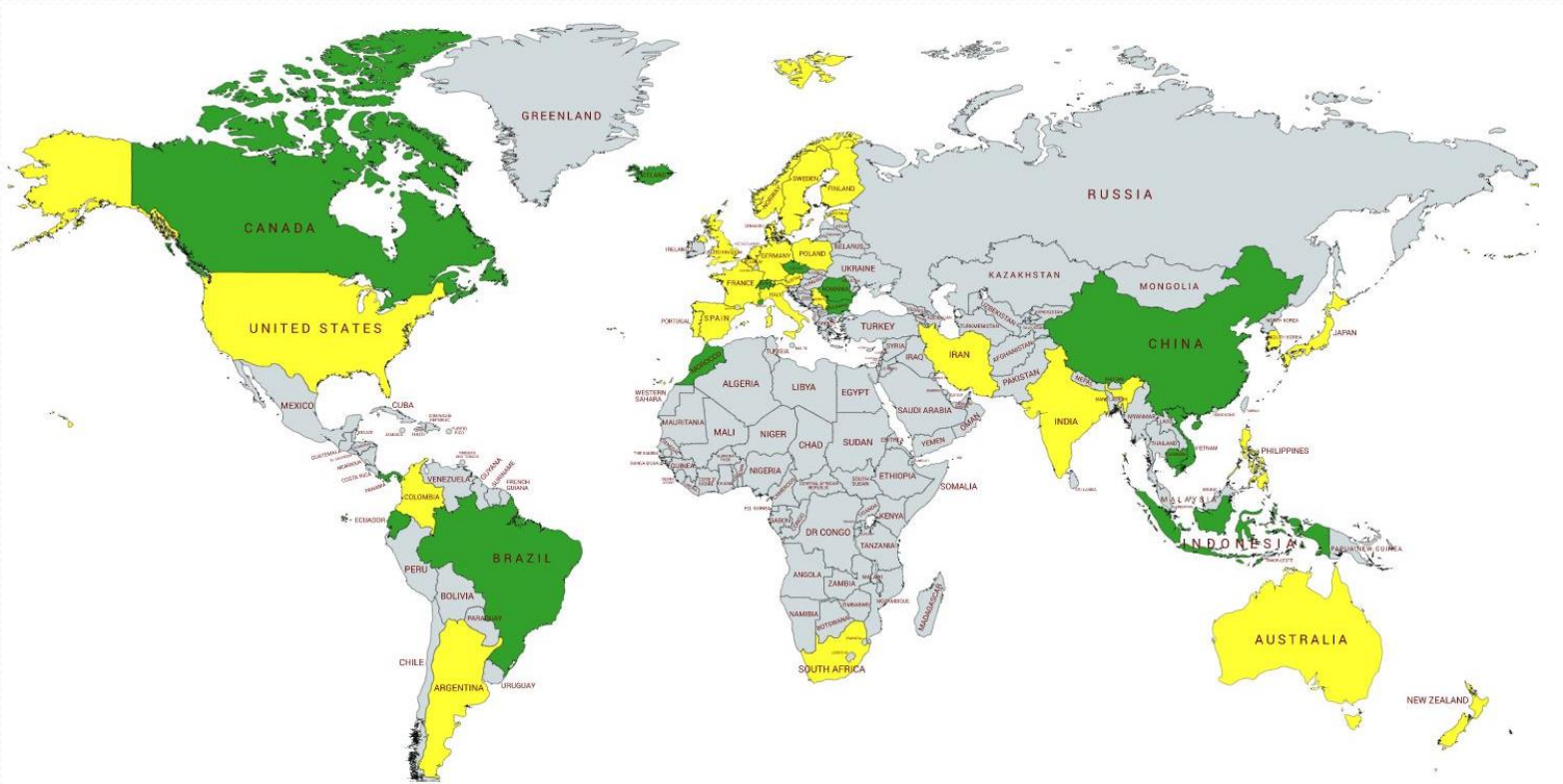
To support Young Professionals and Countries in Transition

Venue-Occasion / date



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)


Venue-Occasion / date



Our Technical Reports




PIANC MarCom WG Report
n° 145 - 2020




**BERTHING VELOCITY ANALYSIS
OF SEAGOING VESSELS OVER 30,000 DWT**

The World Association for Waterborne Transport Infrastructure




PIANC InCom WG Report
n° 191 - 2020




COMPOSITES FOR HYDRAULIC STRUCTURES

The World Association for Waterborne Transport Infrastructure




PIANC RecCom WG Report
n° 168 - 2020




SINGLE POINT YACHT MOORINGS

The World Association for Waterborne Transport Infrastructure



PIANC EnviCom Task Group
n° 193 - 2020



**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!

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

Venue-Occasion / date



YP-COM

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



USA



South Africa



The Netherlands



Argentina



UK



Germany



Belgium



Spain



Italy

Venue-Occasion / date

YP-COM: Norway

- Annual Coastal engineering day
- Technical site visits
- Join our LinkedIn page



Venue-Occasion / date



Upcoming Events

- **YP events**
 - **Technical site visit autumn 2022, local YP Norway event, open to suggestions**
 - **Biennial Technical Visit (BTV) April 2023, Fort Lauderdale, USA**
- **PIANC events**
 - **Nord-PIANC 30th of August – 1st of September 2022 in Iceland**
 - **Annual General Assembly (AGA) 2023 in Oslo**
 - **PIANC World Congress Cape Town, South Africa, 2024**

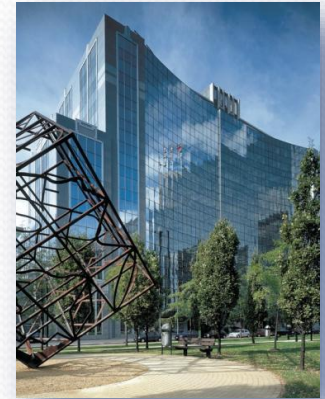
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Contact us

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PIANC Norway



Roar Johansen
President



Fridtjof Wangsvik
First Delegate Norway



Magnus Bach-Gansmo
YP-Com Delegate Norway

Venue-Occasion / date



THANK YOU

Venue-Occasion / date