

THE WORLD ASSOCIATION FOR WATERBORNE TRANSPORT INFRASTRUCTURE

PIANC

AUSTRALIA & NEW ZEALAND

ANNUAL REPORT 2020



CONTENTS



WHAT IS PIANC	4
BOARD MEMBERS	6
THE CHAIR'S REPORT	7
PIANC ANZ TECHNICAL COMMISSION LEADERS	9
REGIONAL CHAPTER	10
YOUNG PROFESSIONALS	11
WORKING GROUPS	12
WORKING GROUP REPORTS	15
PIANC ANZ 2020 HIGHLIGHTS	16
STRATEGIC PLAN	21
MENTORING PROGRAM	22
CORPORATE MEMBERS OF PIANC ANZ	23



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Annual Report 2020
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WHAT IS PIANC?

The World Association for Waterborne Transport Infrastructure.

PIANC is the forum where professionals around the world join forces to provide expert guidance on cost-effective, reliable and sustainable infrastructure to facilitate waterborne transport.

PIANC (which historically stood for the Permanent International Association of Navigational Congresses) began in 1885 - one of the first international technical organisations, committed to regular global gatherings of experts to share knowledge and expertise.

A non-political and non-profit organisation, PIANC continues to be the leading partner for government and the private sector in the design, development and maintenance of ports, waterways and coastal areas. Members include national governments and public authorities, corporations and interested individuals.

At the core of PIANC's mission is the publication of high-quality Technical Reports realised by international Working Groups. PIANC Working Groups are composed of participants from multiple member countries who have expertise in the issue being investigated. The groups gather, analyse, and consolidate international, state-of-the-art, best practice material to provide evidence-based guidance.

PIANC's other key pursuit is the organisation of international and regional conferences, such as the four-yearly PIANC World Conference, last held in Panama City in 2018.

PIANC Australia & New Zealand

PIANC Australia & New Zealand is one of the largest of the 28 National Sections within PIANC, with a growing membership of 80 corporate members and over 100 individuals.

Our core purpose is to provide leadership in the field of waterborne transport infrastructure to advance the communities, economies and environments in Australia and New Zealand.

What we do to fulfil our core purpose:

- Share industry knowledge and best practices through local, national and regional events, including the biennial Coasts and Ports Conference - the pre-eminent forum for professionals to discuss multi-disciplinary issues related to coasts and ports.
- Promote PIANC Technical Reports and other publications, and actively contribute our knowledge and experience for their development.
- Work with government and other industry bodies to positively influence policy and guidance which relates to waterborne transport infrastructure in our region.
- Nominate and support PIANC Australia & New Zealand members to join relevant PIANC Working Groups.
- Support the next generation of professionals in our industry by providing education and guidance which fills the gap beyond academic studies.
- Create opportunities for young professionals to meet and network with the broader industry.
- Represent the interests of our members with PIANC HQ and provide representation on relevant PIANC Commissions.

BOARD
MEMBERS



PETER ENGELEN
Position: Deputy Chair
General Manager, Planning and Infrastructure at NSW Ports.



LUKE CAMPBELL
Position: Co-Secretary & Regional Chapters Coordinator
Director at WGA (Wallbridge Gilbert Aztec), WA Manager.



CHRIS CARBOON
Position: Co-Secretary
Senior Consultant – Ports and Coastal at Jacobs



NEIL LAWSON
Position: Co-Treasurer and PIANC International Vice-President
Managing Director at Neil Lawson and Associates Pty Ltd



JOEL BAILEY
Position: Board Member
Managing Director, Wavelength Consultancy



LAURENCE BENN
Position: Board Member
Principal Engineer of Critical Projects at OMC International



GREG BRITTON
Position: PIANC ANZ Commission Lead
Technical Director of Royal Haskoning DHV in Australia.



RON COX
Position: NCCOE* Representative
Water Research Laboratory, UNSW Civil & Environmental Engineering.
* NCCOE – National Committee on Coastal and Ocean Engineering (NCCOE) of Engineers Australia (EA)



KATRINA DODD
Position: NCCOE Representative & Co-Treasurer
Technical Director – Maritime at Royal HaskoningDHV, Sydney.



KEVIN KANE
Position: Board Member
Director, Environment – North Queensland Bulk Ports Corporation.



SCOTT KEANE
Position: Board Member
Industry Director – Ports & Maritime at Cardno, Brisbane.



JACKIE SPITERI
Position: Board Member
Senior Manager Environment Social Governance (ESG) at Port of Newcastle



MICHEL DE VOS
Position: Board Member
General Manager Infrastructure Services at Napier Port

THE
CHAIR'S REPORT



WILL GLAMORE
Position: PIANC ANZ Chair
Associate Professor and Principal Research Fellow at Water Research Laboratory, UNSW Sydney

“
I am proud to note that ANZ members are involved in almost two thirds of current EnviCom, MarCom and RecCom Working Groups

"2020 has been a challenging year for our world, with the coronavirus disrupting 'business as usual' and forcing changes everywhere, reforming and possibly even transforming the way we do things.

Of course, PIANC's efforts globally and locally have not ceased. Internationally, nine Technical Reports were published in 2020, while work continues on almost sixty more. Our region actively participates in building PIANC's global knowledge network and I am proud to note that ANZ members are involved in almost two thirds of current EnviCom, MarCom and RecCom Working Groups. (see pp12-13)

Our networking efforts had to transform for much of the year – from physical to virtual. Yet through moving our technical seminars online, and launching a YouTube channel, we actually extended our communications reach, attracting viewers and participants from outside our regions and major cities. We also increased our corporate membership, a great achievement in such a challenging year, and a clear indication that the industry appreciates the benefits and uses of PIANC's work.

To further support our members and promote leadership in our sector, I was delighted to launch PIANC ANZ's new mentoring program in June 2020. (see p22)

2020 saw the rescheduling of the inaugural PIANC Asia Pacific conference "Ports, harbours and recreational boating for today and tomorrow" from June to December, and its delivery in a hybrid format – on the ground in Fremantle, and livestreamed around the world. Huge thanks to the LOC, our event managers Encarta and our sponsors for steering a safe passage for the Conference.

We would urge all our current members to get active in your regional chapters, (see p10) and we invite all our interested industry and research colleagues to join PIANC! It's easy with our new online membership management system, another achievement of 2020. Join us, and catch up with our news and events, at www.pianc.org.au.



PIANC ANZ TECHNICAL

COMMISSION LEADERS



EnviCom
ENVIRONMENTAL
COMMISSION

MARIKA CALFAS
Chief Executive Officer
at NSW Ports



MarCom
MARITIME NAVIGATION
COMMISSION

PETER FOUNTAIN
Consultant Ports & Marine
Port Planner and Engineer



RecCom
RECREATIONAL
NAVIGATION COMMISSION

GREG BRITTON
Board Member PIANC
ANZ, & Technical Director
of Royal HaskoningDHV in
Australia. Greg is also the
overall Commission Lead
for the PIANC ANZ Board.

At PIANC's international level, four Technical Commissions (EnviCom, InCom, MarCom, RecCom) cover the different areas of waterborne transport infrastructure: Environmental, Inland navigation, Maritime navigation, and Recreational navigation.

These Commissions supervise the work carried out by PIANC experts in the respective Working Groups on subjects of interest. The reports prepared by these Working Groups are the core business of our Association.

PIANC ANZ has representation on three of the International Commissions: EnviCom, MarCom and RecCom. InCom has less relevance for our region.

REGIONAL

CHAPTERS



NSW/ACT REGIONAL CHAPTER CHAIR

MATTHEW BATMAN
MBatman@portauthoritynsw.
com.au
YP REP: SHANE FREEMAN



NEW ZEALAND CHAPTER CONTACT

MICHEL DE VOS
Michelv@napierport.co.nz
YP REP: CHIP POHLEN



QLD/NT REGIONAL CHAPTER CONTACT

KEVIN KANE
KKane@nqbp.com.au
YP RE: TOM BISHTON QLD,
JADE HUNDZIAK NT

SA REGIONAL CHAPTER CONTACT

PAUL CONSTANCE
constance.paul@
flindersports.com.au
YP REP: JAMES COCKER



VIC/TAS REGIONAL CHAPTER CONTACT

CHRIS CARBOON
Chris.Carboon@jacobs.com
YP REP: LAURENCE BENN



WA REGIONAL CHAPTER CHAIR

LUKE CAMPBELL
LCampbell@wga.com.au
YP REP: CLAIRE TREEBY

In 2019 PIANC ANZ established regional chapters to better connect with our membership.

In 2020 we have seen how effective regional chapters enhance all PIANC ANZ's aims and activities. Regions can interlink, with sharing of event materials and content, and – where possible – eminent speakers, international or local. But they can also focus on specific local needs and regional requirements.

Each Regional Chapter has an independent leadership committee with responsibility to manage its own regional events and communications while also reporting to, and liaising with, the National PIANC ANZ Board.

Each Regional Chapter leadership committee includes a Young Professional (YP) Representative, who supports the Chapter with planning regional events and engaging with regional Young Professionals as well as the ANZ YP National Chair – Claire Treeby.

YOUNG

PROFESSIONALS



AUSTRALIA & NEW ZEALAND NATIONAL YP-COM REPRESENTATIVES

CLAIRE TREEBY
YPCom ANZ Chair



RODNEY HANCOCK
Vice-Chair of YPCom
Asia Pacific Region

PIANC's Young Professionals Commission (YPCom) is dedicated to the career development of YP members (40 years of age and younger) locally, nationally and globally.

As one of the most active groups worldwide, PIANC ANZ YPs hold networking events across Australia, nominate Australian YP's for Working Groups, liaise with YPCom International, bestow annual awards, and work with the PIANC ANZ board on related activities.

We are now engaged with assisting to build PIANC ANZ's regional chapters. In 2020 YP members were crucial supporters in organising the APAC2020 hybrid conference.

To find out more and get involved, please contact the Australia & New Zealand National YPCom representatives Claire Treeby (YPCom ANZ Chair), or Rodney Hancock (Vice-Chair of YPCom Asia Pacific Region).

www.linkedin.com/groups/5078998/

WORKING GROUPS

PIANC Working Groups are composed of participants from multiple member countries who have expertise in the issue being investigated. The groups gather, analyse, and consolidate international, state-of-the-art, best practice material to provide evidence-based guidance. The reports prepared by these Working Groups are the core business of our Association and a highly respected resource for governments, companies, and industry associations around the world.

The following is a list of PIANC International Working Groups currently in progress or formation which have PIANC ANZ participation.

ENVIRONMENTAL COMMISSION (ENVICOM)

ENVICOM WORKING GROUPS IN PROGRESS

- WG 157 Environmental aspects of dredging and port and waterway construction around coastal plant habitats. PIANC ANZ – Paul Erftemeijer
- WG 170 Best practices of how to deal with sea turtles and mammals in marine waterway and port construction activities. PIANC ANZ – Wayne Young
- WG 174 Sustainability reporting for ports. PIANC ANZ – Craig Wilson
- WG 195 An introduction to applying ecosystem services for waterborne transport infrastructure projects. PIANC ANZ – Dave Hopper
- WG 214 Beneficial Sediment Use. PIANC ANZ – Dave Hopper
- WG 218 The implications of invasive alien species for waterborne transport infrastructure. PIANC ANZ – Nicola Stokes

NEW ENVICOM WORKING GROUPS IN FORMATION

- WG 226 A guide for assessing and managing effects of underwater sounds from navigation infrastructure activities – Spencer Shute
- WG 227 A guide for assessing and managing environmental restrictions on dredging and disposal operations – David Petch
- WG230 How to Attract Green Funding for Nature-Based Navigation Infrastructure – Zsuzsa Banhalmi-Zakar

MARITIME NAVIGATION COMMISSION (MARCOM)

MARCOM WORKING GROUPS IN PROGRESS

- WG 153B Recommendations for the Design of Marine Oil and Petrochemical Terminals – LNG addendum. PIANC ANZ – Rodney Hancock
- WG 164 Upgrade of Port Terminals by Increasing Dredged Depth. PIANC ANZ – Ross Newcombe
- WG 171 Ship Handling Simulation Dedicated to Channel and Harbour Design. PIANC ANZ – Neil Lawson
- WG 186 Mooring of Large Ships at Quay Walls. PIANC ANZ – Sam Harris, David Dack
- WG 187 Protection of Undersea Pipelines and Cables in Navigable Areas. PIANC ANZ – Brian Johnson
- WG 194 A Framework for Early Contractor Involvement in Infrastructure Projects. PIANC ANZ – David Kinlan
- WG 199 Health Monitoring for Port and Waterway Structures. PIANC ANZ – Colin Hedderwick
- WG 200 Recommendations for the Design and Assessment of SPM/MPM Facilities. PIANC ANZ – Katrina Dodd, Kevin Sartipi (VP)
- WG 205 Design and Construction of Breakwaters on Soft Seabeds. PIANC ANZ – Stuart Bettington
- WG 208 Planning for Automation of Container Terminals. PIANC ANZ – Carsten Varming
- WG 211 Guidelines for the Design of Fender Systems. PIANC ANZ – Bob Lamont-Smith, Harvinder Singh (YP)
- WG 212 Criteria for the Acceptable Movements of Ships at Berths. PIANC ANZ – Wim van der Molen, Fabien Cogorgan

NEW MARCOM WORKING GROUPS IN FORMATION

- WG 213 Design Guidelines for Marine Multipurpose Terminals. PIANC ANZ – Venket Naidu
- WG 225 Seismic Design Guidelines for Port Structures. PIANC ANZ – Ravikumar Segu, Tom Bishton (YP)

RECREATIONAL BOATING COMMISSION (RECCOM)

RECCOM WORKING GROUPS IN PROGRESS

- WG222 Design Guideline for Floating Breakwaters in Marinas. PIANC ANZ – Andrew Brown (YP)

NEW RECCOM WORKING GROUPS IN FORMATION

- WG221 Design Guidelines for Recreational Boating Slipways. PIANC ANZ – Rick Plain (YP)
- WG223 Meaningful Inclusion of Fishing Communities in Recreational Marinas – Guidelines for Planning. PIANC ANZ – Meysam Rad (YP)



WORKING GROUP REPORTS

PUBLISHED IN 2019 – 2020

At the core of PIANC's global mission is the publication of high-quality Technical Reports realised by international Working Groups. In 2019-2020 the following reports were published.

ENVICOM

- EnviCom WG 175 A Practical Guide to Environmental Risk Management (ERM) for Navigation Infrastructure Projects (2019) * Kevin Kane
<https://www.pianc.org/publications/envicom/wg175>
- EnviCom WG 178 Climate Change Adaptation Planning for Ports and Inland Waterways (2020) – * Tanja Mackenzie
<https://www.pianc.org/publications/envicom/wg178>
- EnviCom WG 188 Carbon Management for Port and Navigation Infrastructure (2019)
<https://www.pianc.org/publications/envicom/wg188>
- EnviCom TG193 Resilience of the Maritime and Inland Waterborne Transport System (2020)
<https://www.pianc.org/publications/envicom/tg193>

RECCOM

- RecCom WG 147 Guidelines for Managing the Relationship between Recreational Navigation and Commercial Ports (2020)
<https://www.pianc.org/publications/reccom/wg147>
- RecCom WG 168 Single Point Yacht Moorings (2020)
<https://www.pianc.org/publications/reccom/wg168>

MARCOM

- MarCom WG 145 Berthing velocity analysis of seagoing vessels over 30,000 dwt (2020)
<https://www.pianc.org/publications/marcom/wg145>
- MarCom WG 159 Renewables and Energy Efficiency for Maritime Ports (2019)
<https://www.pianc.org/publications/marcom/wg159>
- MarCom WG 184 Design Principles for Dry Bulk Marine Terminals (2019)
* Richard Morgan, Peter Kastrup, Bob Lamont-Smith
<https://www.pianc.org/publications/marcom/wg184>
- MarCom WG 185 Ports on Greenfield Sites – Guidelines for Site Selection and Masterplanning (2019). * Jason Sprott, Sam Harris, Harish Srivastava
<https://www.pianc.org/publications/marcom/wg185>

* indicates PIANC ANZ participation.

HIGHLIGHTS

While Covid-19 greatly challenged the usual activities of PIANC ANZ, and caused some cancellations, we moved reasonably rapidly to the new normal – of online Board meetings and regionally based webinars, got handy with recording equipment, created a PIANC ANZ YouTube channel, actively increased our outreach through social media, and successfully delivered a hybrid Conference. Moving online significantly increased the outreach of our regional chapters – their technical events attracted viewers throughout Australia and New Zealand, and around the world, with 20% of online attendees coming from outside our ANZ region.

MAIN 2020 EVENTS



PIANC WA Online Seminar: Climate Change Adaptation for Ports & Maritime – 22 Apr 2020

Presented by A/Prof Ron Cox, topics included the implications of climate change for port planning and management, interpreting sea level projections and understanding their relevance and the potential impact on our industry. Discussions covered case studies and the use of high-density concrete armour units for major breakwater upgrades, as well as the findings of relevant PIANC Task Groups and working groups.

<https://pianc.org.au/events/pianc-wa-online-seminar-climate-change-adaptation-for-ports-maritime-22-april-2020/>



PIANC NSW Online Presentation: Vessel Traffic Services (VTS) – 11 Jun 2020

As technology has advanced so too has the size of the vessels visiting our harbours, and along with them, increased risk. Captain Wendy Doran, Manager of Port Services for the Port Authority NSW provides insights into VTS (Vessel Traffic Services) – is VTS the ultimate AtoN?

<https://pianc.org.au/events/nsw-online-presentation-vessel-traffic-services-vts-11-june-2020/>



WA Seminar – Pile Driving Noise Impacts on Marine Mammals – 26 Aug 2020

A/Prof Chandra Salgado Kent, from the Centre for Marine Ecosystems Research at Edith Cowan University, and director of Oceans Blueprint has extensive knowledge of the impact of port activities including underwater noise. Chandra's research is linked to real world examples, and to upcoming PIANC working group papers "Best Practices of how to deal with sea turtles and mammals in marine waterway and port construction activities" and "A Guide for Assessing and Managing Effects of Underwater Sounds from Navigation Infrastructure Activities".

<https://pianc.org.au/events/wa-seminar-pile-driving-noise-impacts-on-marine-mammals-26-08-2020/>



PIANC Working Group Updates – COPEP & PIANC Webinar – 22 Sept 2020

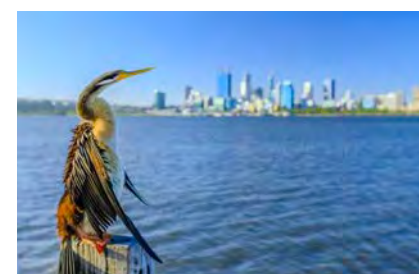
Co-hosted by PIANC NSW Chapter and EA's COPEP: Three presentations from Australian experts – Ron Cox, Tanja Mackenzie and Wim van der Molen – involved in PIANC Working Groups on climate change adaptation planning, carbon management for ports, and acceptable movement of ships at berth.



PIANC VIC/TAS Chapter Lunchtime Seminar: Underpinning Antarctic Research – 30 Sept 2020

Underpinning Antarctic Research: PIANC Vic/Tas was proud to present Prof Alessandro Toffoli and Dr Filippo Nelli from Melbourne University – to show how basic ship hydrodynamics principles can enhance our ability to explore and understand the Antarctic.

<https://pianc.org.au/events/vic-chapter-lunchtime-seminar-underpinning-antarctic-research-30-sept-2020/>



PIANC APAC 2020 – Pre-Conference Symposium: Nature-based Solutions – 1 Dec 2020

The multi-disciplinary Symposium included engineering, planning, restoration ecology, resource economics, and policy experts, to discuss recent international developments in nature-based solutions for coastal, port and estuary applications.

<https://pianc.org.au/events/pianc-apac-2020-pre-conference-symposium-nature-based-solutions/>



PIANC APAC 2020 – Inaugural Asia Pacific Conference, 2 – 4 Dec 2020, Fremantle – also live streamed.

Our Conference theme "Port, harbour and recreational boating for today and tomorrow" reflects the growing worldwide recognition to place the natural environment at the forefront of every project as well as a growing emphasis on a social licence to operate. PIANC APAC 2020 brought together engineers, planners, scientists and researchers to focus on the technological, scientific, policy, planning and design issues related to our diverse and developing ports, harbours and recreational boating facilities.

BOARD OBSERVER 2020



For the second year PIANC ANZ has connected with The Observership Program, (www.observership.com.au) which facilitates the involvement of young, talented and energetic individuals on non-profit Boards for a 12-month period. During that time, Observers attend all board and/or committee meetings as non-voting members and learn about fundamental principles and functions of not-for-profit boards.

In 2020 Jerel David was our Board Observer. Jerel is a chartered accountant and Associate Director, Strategic Policy and Projects for the NSW State Treasury. He has worked on business cases, infrastructure projects as well as water policy. In 2020 Jerel greatly assisted the PIANC Board with an extensive risk review, identifying our biggest risks, and worked with us on defining strategies for addressing them. Thank you Jerel!

CONGRATULATIONS TO OUR CLIMATE CHANGE CHAMPIONS



GILDAS COLLETER



GREG FISK

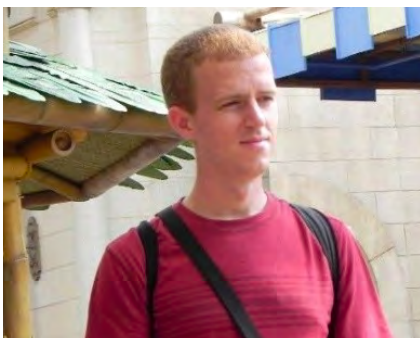
In March 2020 PIANC HQ announced the appointment of Climate Change Champions to each of its Technical Commissions. The Champions are Gildas Colleter – MarCom, Greg Fisk – RecCom, Jeremy Giovand – InCom, and Kate Panayotou – EnviCom.

PIANC ANZ is very proud that two of the four new champions, Gildas Colleter and Greg Fisk, were nominated from our region. A third, ex ANZ Board member Kate Panayotou, is currently living and working in England, and was nominated by the UK section.

The main role of the climate champions will be to provide:

- Relevant expertise on climate change issues for the work of the Commissions
- A link between the Commission and its activities and PIANC’s Permanent Task Group on Climate Change (PTGCC)
- A conduit for the flow of technical and scientific information regarding climate change within PIANC.

CONGRATULATIONS TO OUR DE PAEPE-WILLEMS AWARD WINNER



In June 2020, PIANC ANZ was very proud to announce that our own Benjamin Popovich is the worthy recipient of the prestigious international 2020 De Paepe – Willems Award, for his paper on “Tsunami Resilience of Pile Supported Wharves: A First Principles Approach”.

Ben, who is a Hazard and Risk Analyst at the National Institute of Water & Atmospheric Research Ltd (NIWA) in Wellington, New Zealand, has been a keen PIANC member for years. His work on the resilience of NZ wharves to tsunami hazards is of great importance to that island nation and of significant potential use to communities beyond NZ.

It has been a long time between awards. The last ANZ winner of the De Paepe-Willems Award was current Chair, Will Glamore who won the award in 2008 for his paper on A Decision Support Tool for Assessing the Impact of Boat Wake Waves on Inland Waterways.

More information at <https://pianc.org.au/pianc-news/congratulations-ben-popovich/>

THANK YOU TO OUTGOING BOARD MEMBERS

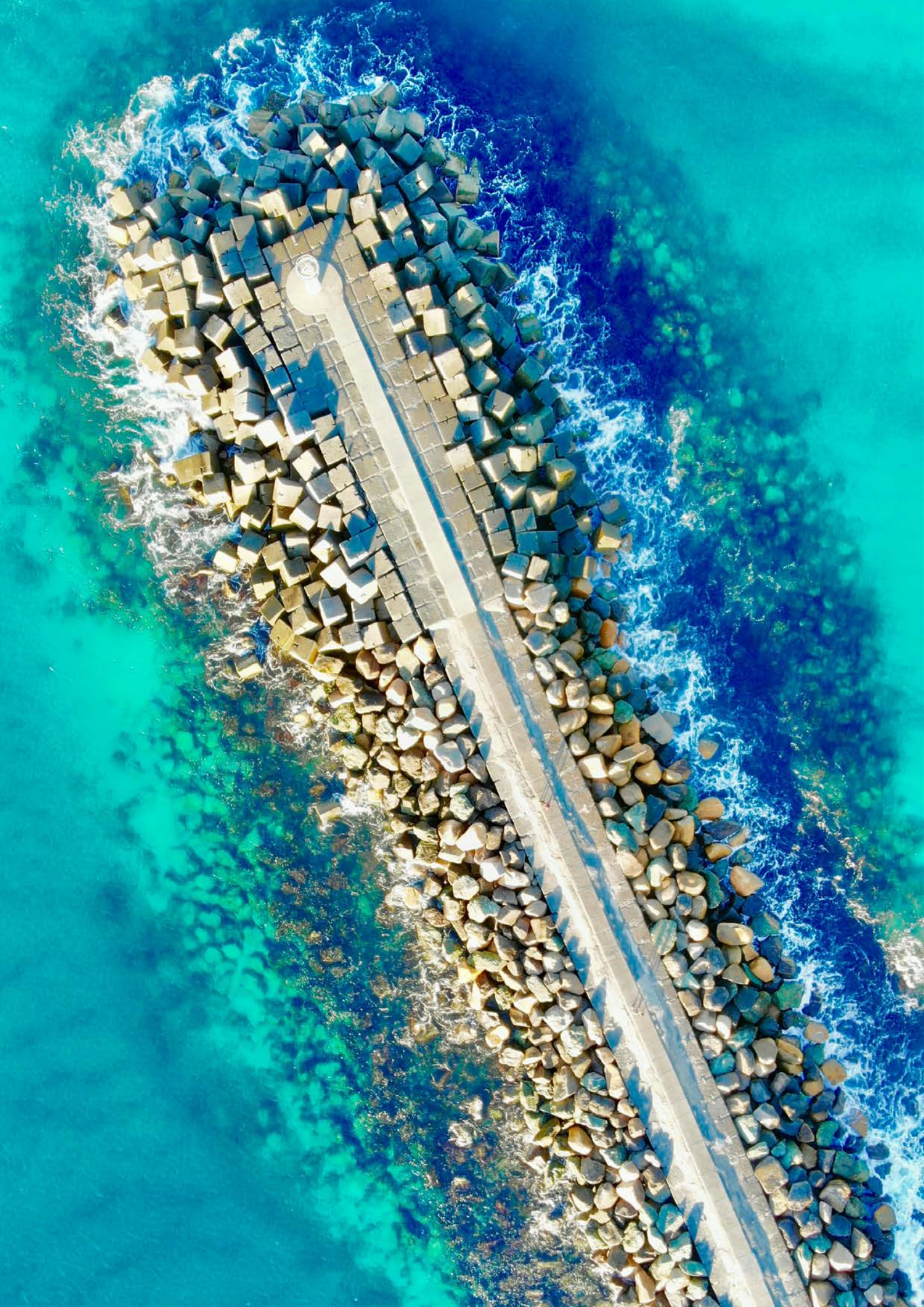


RICHARD HILL



KATE PANAYATOU

At the 2020 AGM we farewelled and thanked outgoing Board Members Richard Hill, a PIANC Board stalwart for many years, who will remain active in the Victorian regional chapter, and Kate Panayotou who is currently living and working in England. Kate has recently been appointed as the Climate Change champion for EnviCom. We look forward to welcoming her back to PIANC ANZ soon.





STRATEGIC

PLAN

The Board of PIANC Australia & New Zealand has articulated its purpose statement and overarching goal in the 2020 Strategic Plan.
Available at <https://pianc.org.au/about/our-profile/>

The Board is working hard towards delivering on our set targets.

PIANC AUSTRALIA & NEW ZEALAND

2020 STRATEGIC PLAN – MAIN THEMES

OUR OVERARCHING GOAL

The single focus shared by the board of PIANC ANZ for 2020.

Build and enrich the PIANC ANZ community

SUPPORTING OBJECTIVES

The key components that clarify the overarching goal in more detail, shared by all members of the team.

- Embed the regional chapters
- Deliver PIANC APAC 2020
- Enhance our comms strategy

- Develop a 3-5 year strategic plan
- Improve Board effectiveness
- Establish a mentorship program

STANDARD OPERATING OBJECTIVES

Ongoing priorities of PIANC ANZ that we – as a team – must focus on and monitor.

- Finance
- Governance and risk
- International working groups and commissions

- Membership
- Operations

MENTORING

PROGRAM



PETER ENGELEN

Initiated in 2020, and coordinated by Board Member Peter Engelen, the PIANC ANZ Mentoring Program aims to provide members with an opportunity of giving back to their coastal and maritime industry colleagues through sharing professional experiences and life lessons, as well as providing an opportunity for other members to gain guidance and advice in progressing their professional career.

Recognising that many of our members have valued and varied experiences, the mentor/mentee relation can be, but is not necessarily, senior-junior in nature and instead can be one of peers across industries or across disciplines.

The inaugural PIANC Mentoring Program for members was successfully launched in June 2020, with the first cohort of nine pairs of mentors and mentees working together from July to December 2020.

Participants represent a varied cross section of members including junior and senior staff of port authorities, port managers, consultants and academia. Feedback from both mentors and mentees shows the experience to be enjoyable and very valuable. Participants gave the mentoring program a satisfaction score of 8.2 out of 10 and all would recommend it to other members. A second round will begin in 2021.

For more information contact: support@pianc.org.au

CORPORATE

MEMBERS OF PIANC ANZ

ADVISIAN	Heb Construction NZ	Ports of Auckland
AECOM Australia	Heron Construction Company	Rio Tinto
AMC Search	Hydrobiology WA	Royal Australian Navy
Arup	Jacobs Group (Australia)	RPS Western Australia
Aurecon Australasia	JJ Ryan	SMEC Australia
Australian Maritime Systems	Manly Hydraulics Laboratory	Southern Ports Authority
Baird Australia	Maritime Constructions	SubCon
BCI Minerals	McConnell Dowell	Superior Group
Beca	Meteorological Service of New Zealand	Tasmanian Ports Corporation
Birdon	Mid West Ports Authority	Thomas Miller (Australasia)
BMT Western Australia	Mott Macdonald Australia	Tonkin and Taylor
Boskalis Australia	Napier City Council	Maritime Infrastructure Delivery Office, Transport for NSW
Cardno	Napier Port	Trelleborg Marine Systems
Cavotec MoorMaster	Newcastle Coal Infrastructure Group	UNSW – Water Research Laboratory
Centreport, Wellington	North Queensland Bulk Ports	Victorian Ports Corporation
Dalrymple Bay Coal Terminal	NSW Department of Industry – Crown lands	Victorian Regional Channels Authority
Darwin Port Operations	NSW Ports	Wallbridge Gilbert and Aztec
Department of Transport and Main Roads – Maritime Safety Queensland	OMC International	Watpac
Department of Environment and Science, Qld	Pilbara Ports Authority	Wavelength Consulting
DHI Water & Environment	Port Authority of NSW	WA Department of Transport, Westport Office
Dulux Protective Coatings	Port of Brisbane	Woodside Petroleum
Eastland Port Limited	Port of Hastings	WSP NZ
Fender Marine Australia	Port of Marlborough	
Flinders Ports	Port of Melbourne Operations	
Fremantle Ports	Port of Nelson	
GHD	Port of Newcastle	
Gladstone Ports Corporation	Port of Townsville	
Hall Contracting	Port Taranaki	
Haskoning Australia	Ports Australia	
	Ports North	

