

PIANC
The World Association for Waterborne
Transport Infrastructure

Environmental Commission (EnviCom) Activities Update

Presented by
Marika Calfas

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What is EnviCom?

EnviCom deals with navigation sustainability and environmental risk-related issues relevant to all PIANC technical areas



Lake Marken - Netherlands

- Members from 19 nations and 6 partner organisations

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EnviCom Focus Areas

EnviCom goal: To provide practical, science-based guidance to shape and inform practice and development of sustainable navigation infrastructure

Focus areas:

1. Preparing navigation infrastructure for **climate change**
2. Working with the **natural environment** in delivering navigation infrastructure solutions
3. Sharing **knowledge** internationally
4. Providing **guidance** through working group reports
5. Creating common understanding on **best practice approaches** to future challenges through international collaboration



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Strategic Initiative: Working with Nature (WwN)

WwN promotes a proactive, integrated approach to sustainable navigation infrastructure – focussing on “win-win” solutions, rather than only minimising ecological harm

Working with Nature approach:

1. Establish project needs and objectives
2. Understand the environment
3. Make meaningful use of stakeholder engagement to identify win-win options
4. Prepare project proposals/design to benefit navigation and nature

- PIANC awards Working with Nature Certificates of Recognition (apply through PIANC website)
- Major awards granted every 4 years at PIANC Congress



2018 WwN Major Award Winner: Middle Harbour Port of Oakland (San Francisco, USA)



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Strategic Initiative: Permanent Task Group on Climate Change (PTGCC)

Objectives:

- Inform PIANC on how navigation may be affected by climate change
- Advise PIANC on where/how adaptation and mitigation actions are needed to ensure proactive actions and investment
- Provide platform to support all PIANC Commissions in work plans regarding climate change



Recent Releases

- **Technical Note 1:** Managing Climate Change Uncertainties in Selecting, Designing and Evaluating Options for Resilient Navigation Infrastructure
- **Technical Note 2:** Climate change costs to port infrastructure and operations: supporting a business case to adapt is due for publication later in 2022.



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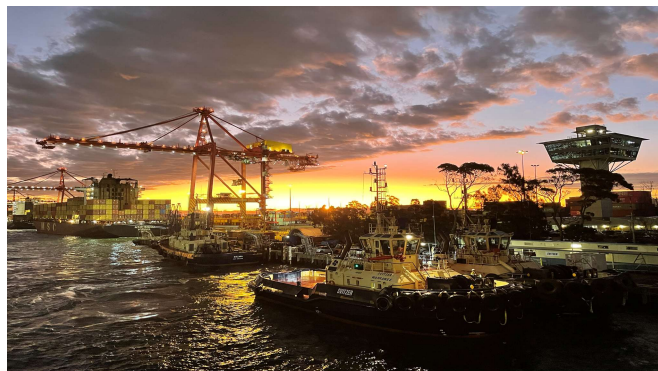
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Recently Published Technical Reports

- WG195: Introduction to Applying **Ecosystem Services** for Waterborne Transport Infrastructure Projects
- TG193: **Resilience** of the Maritime and Inland Waterborne Transport System
- WG178: **Climate Change Adaptation** Planning for Ports and Inland Waterways
- WG175: Practical Guide to **Environmental Risk Management** for Navigation Infrastructure Projects
- WG188: **Carbon Management** for Port and Navigation Infrastructure

All completed Working Group Reports are available free of charge to PIANC members



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Upcoming Technical Reports

- TG3: Waterborne transport, ports and waterways – a 2022 update of **climate change drivers and impacts**
- WG157: Environmental aspects of dredging and port and waterway construction around **coastal plant habitats**
- WG170: Dredging operations and port construction around **marine turtles and mammals**
- WG124: **Beneficial sediment use** for sustainable waterborne transport infrastructure projects
- WG226: A guide for assessing and managing effects of **underwater sounds** from navigation infrastructure activities
- WG218: The implications of **invasive alien species** for waterborne transport infrastructure
- WG227: A guide for the decision-making process relating to **environmental windows and seasonal restrictions** for dredging and navigation infrastructure works
- WG230: How to attract **green funding** for nature-based navigation



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