



TRENDS IN PORT SUSTAINABILITY

Findings from the 2026 IAPH World Ports Tracker

Patrick Verhoeven



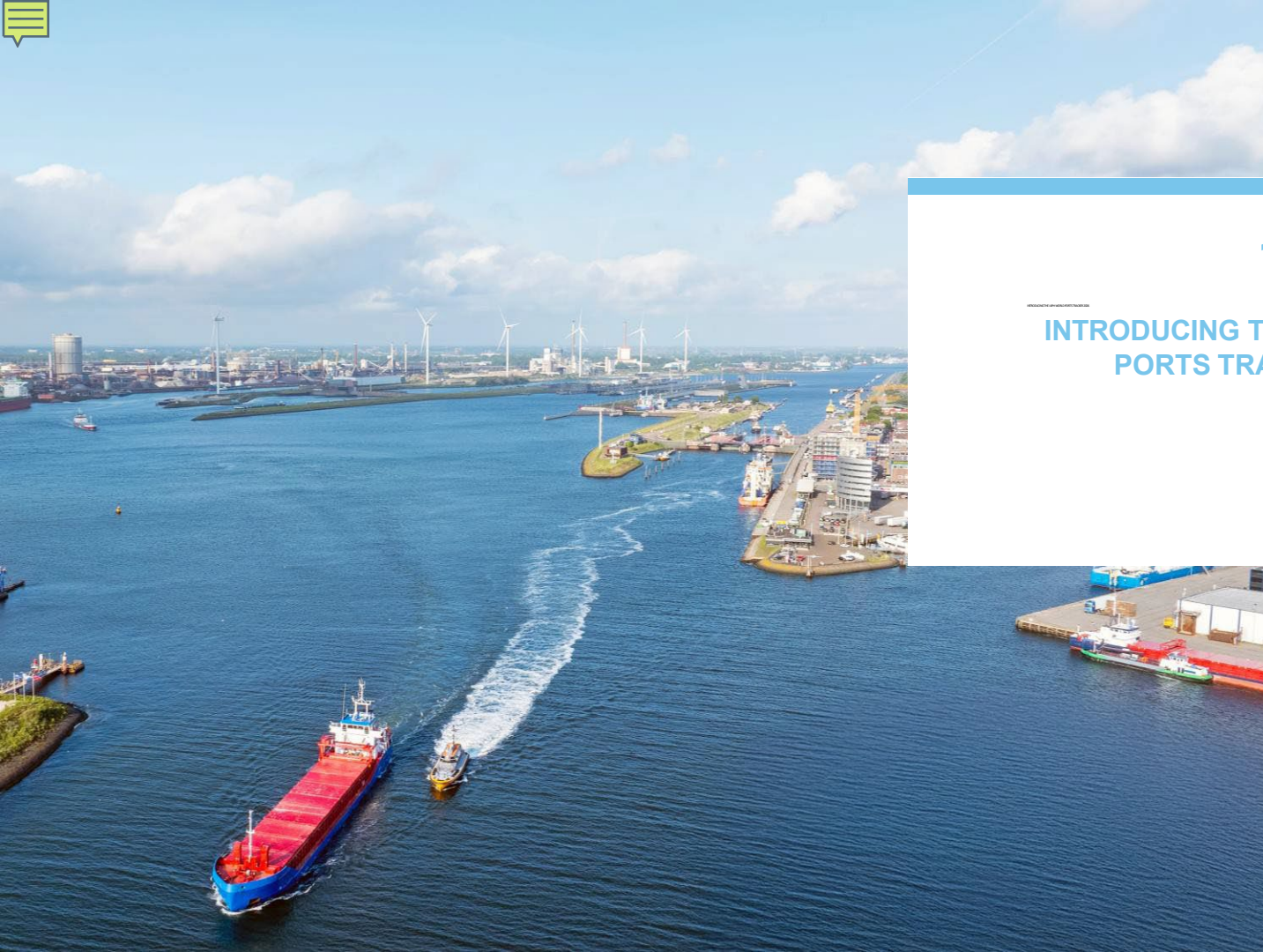
IAPH KMI Port Forum

Tokyo, 27 July 2026



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INTRODUCING THE IAPH WORLD PORTS TRACKER 2026





DATA SOURCES AND ANALYSIS

Survey data



Risks, and Health, Safety and Security



Digitalization



Climate and Energy



Infrastructure



Environmental care



Community building



Market outlook



Strategic decisions

External data

- S&P Global port data
- UNCTAD / MDS Transmodal LSCI data

Analysis by Prof. Theo Notteboom (University of Antwerp) and Prof. Thanos Pallis (University of Piraeus)

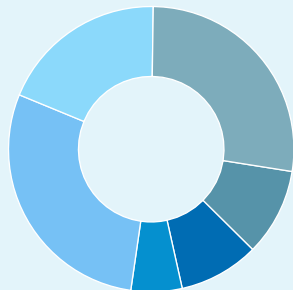


Survey respondents

(February 2026 survey)

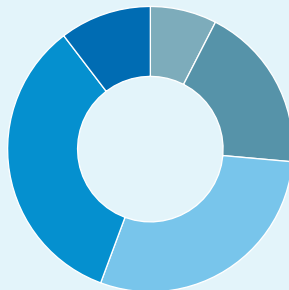
GEOGRAPHY

Europe	27%
Africa	10%
America: North	9%
America: Central & South	6%
Asia 1: South/West, East & Middle East	29%
Asia 2: South East & Oceania	19%



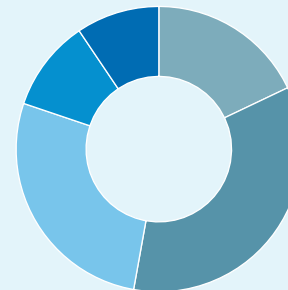
TOTAL PORT THROUGHPUT (BASIS = TONS)

< 1 million tons	8%
1-10 million tons	19%
10-50 million tons	29%
50-200 million tons	34%
> 200 million tons	10%



TOTAL CONTAINER THROUGHPUT (BASIS = TEU)

< 100,000 TEU	18%
0.1-1 million TEU	35%
1-4 million TEU	27%
4-10 million TEU	10%
> 10 million TEU	10%



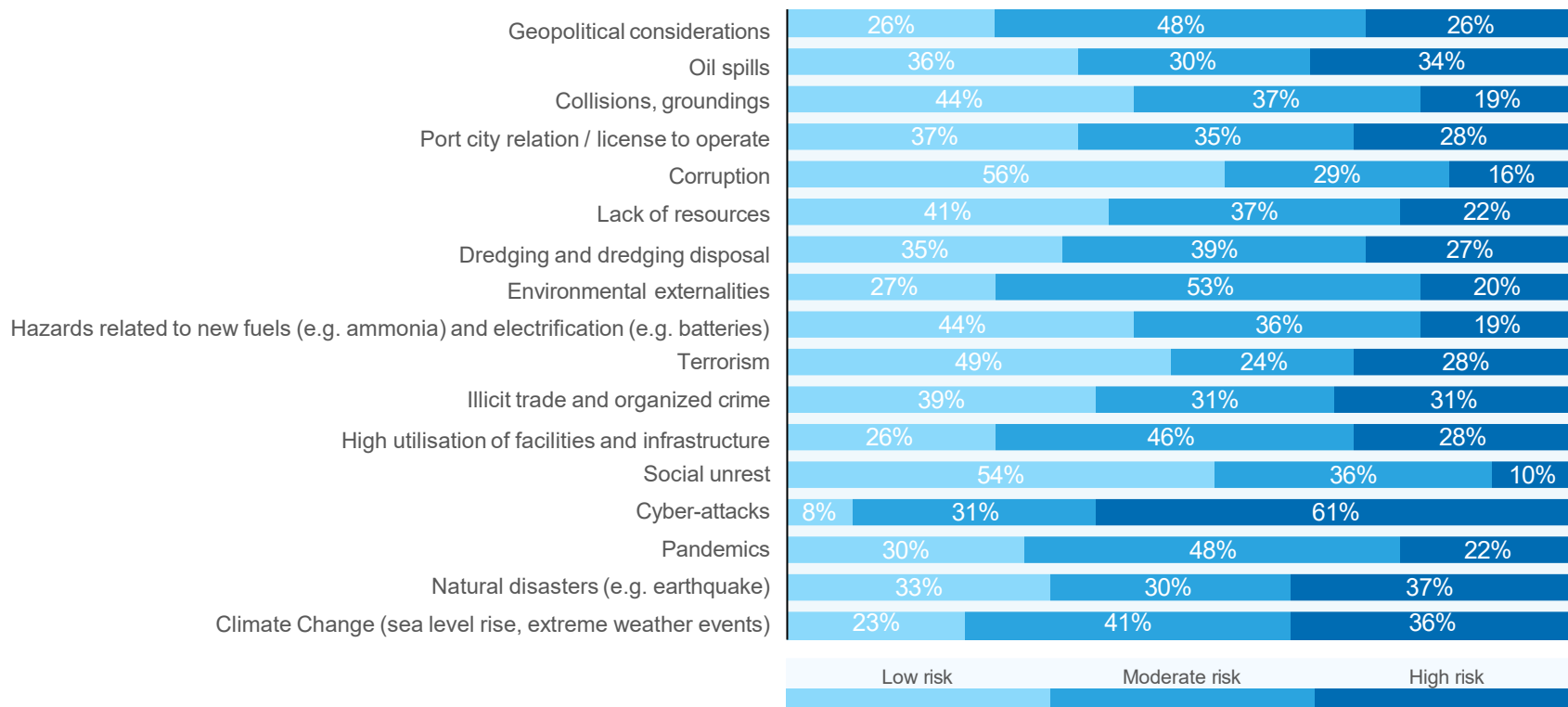
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RISKS, AND HEALTH, SAFETY AND SECURITY





Overall 2026 survey results





Health, Safety and Security

Status of initiatives in health, safety and security





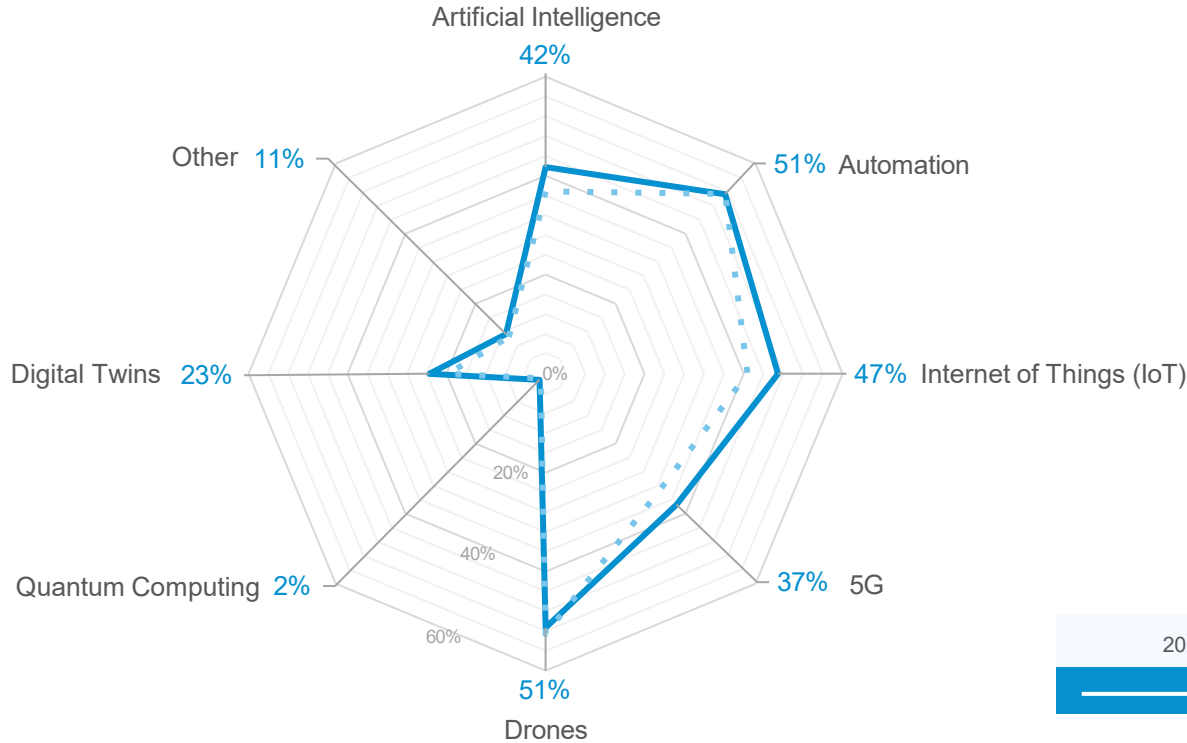
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DIGITALIZATION IN PORTS





The adoption of emerging technologies (share of responding ports)





Implementation status of major maritime and port-related digital solutions

Implementation of initiatives enabling Just-In-Time (JIT) arrival and Port Call Optimization in your port

27%

19%

11%

14%

29%

Status of implementing a Port Community System at your port

23%

13%

8%

14%

42%

Status of implementing a National Maritime Single Window in your country

14%

14%

5%

21%

46%

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

No action yet /
not applicable

Inception
stage

Design
stage

Implementation
stage

Operational



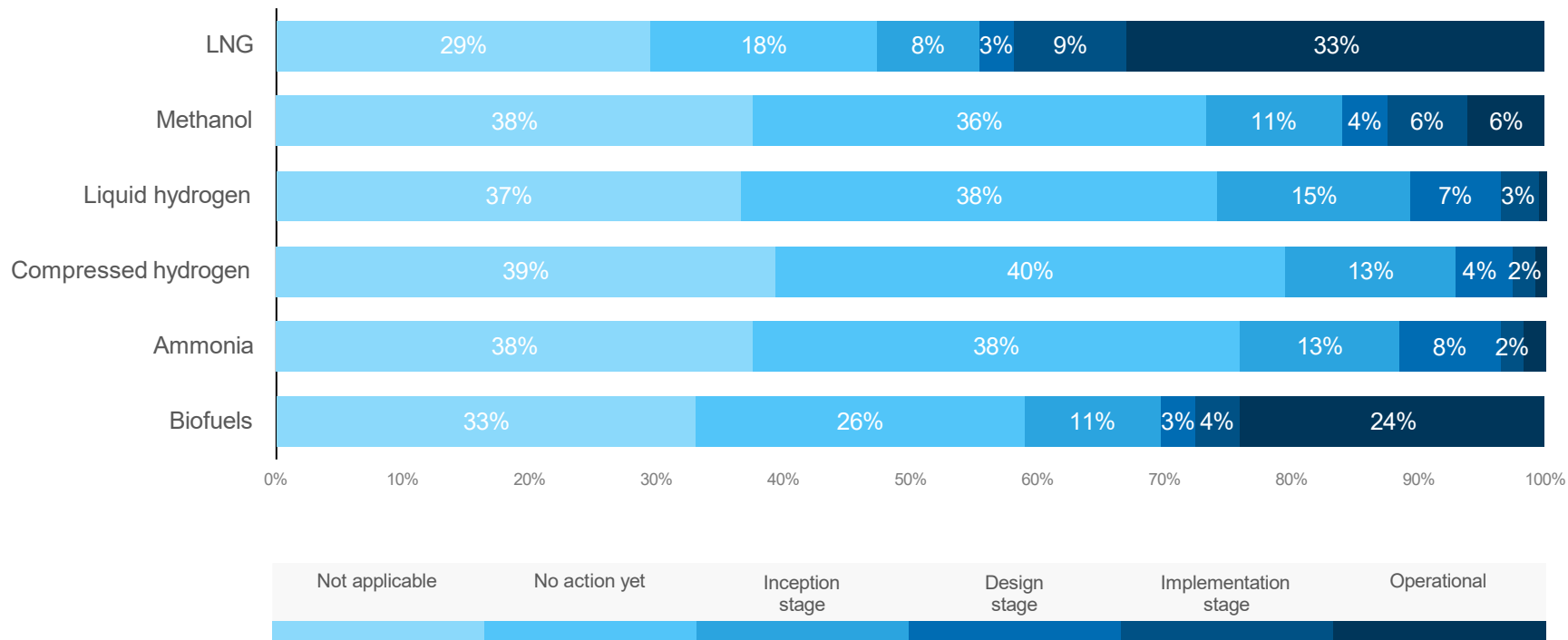
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CLIMATE AND ENERGY



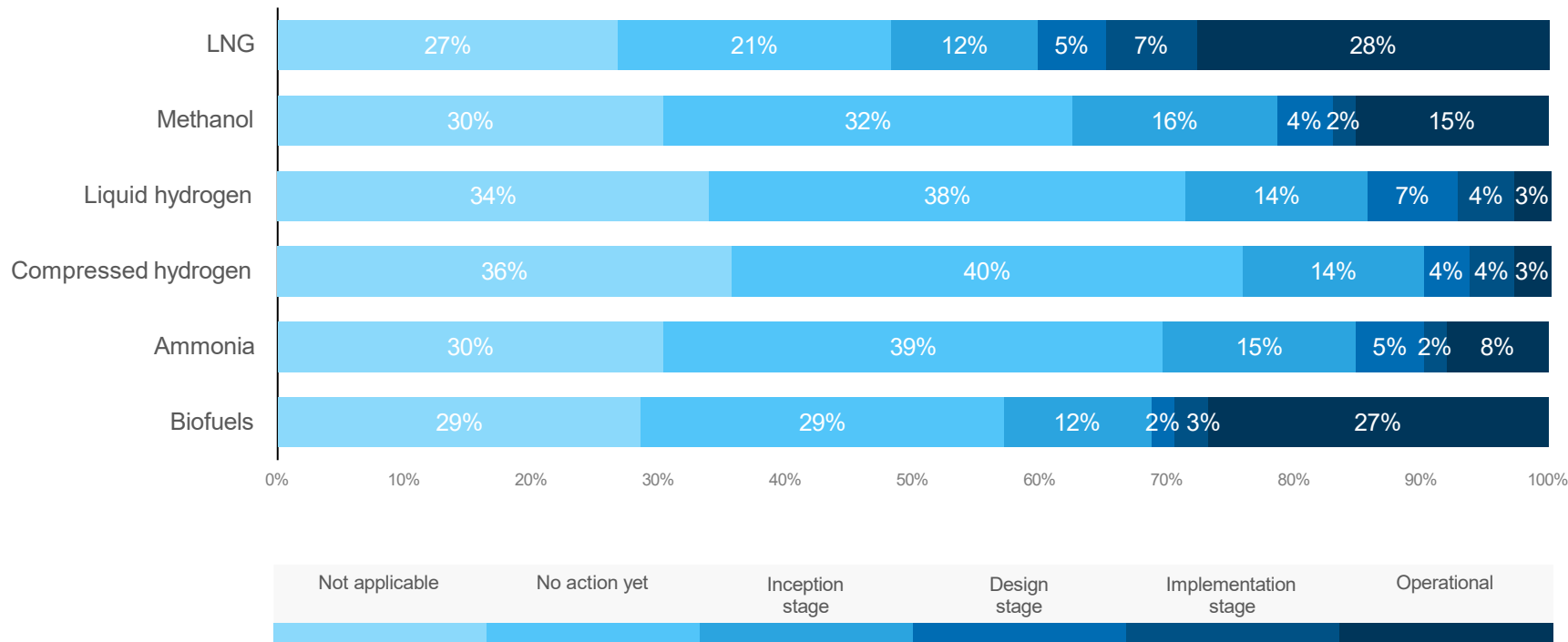


Implementation of rules and procedures for the safe bunkering of low- and zero-carbon marine fuels





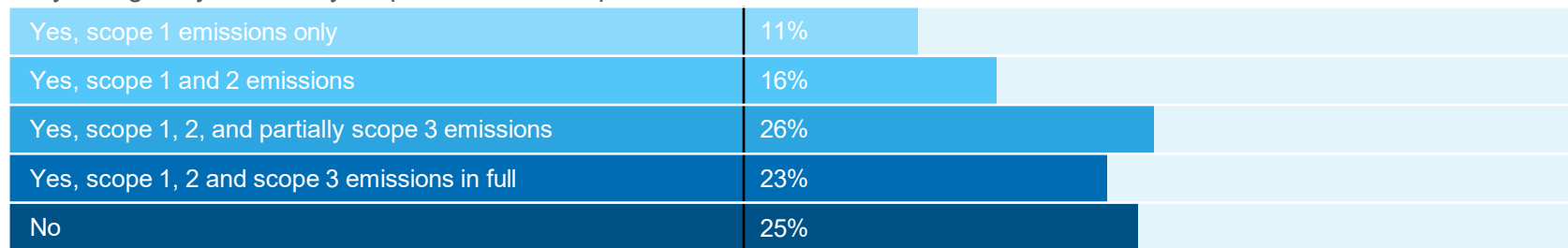
Implementation process of preparing the port for importing and/or exporting low- and zero-carbon fuels as commodities



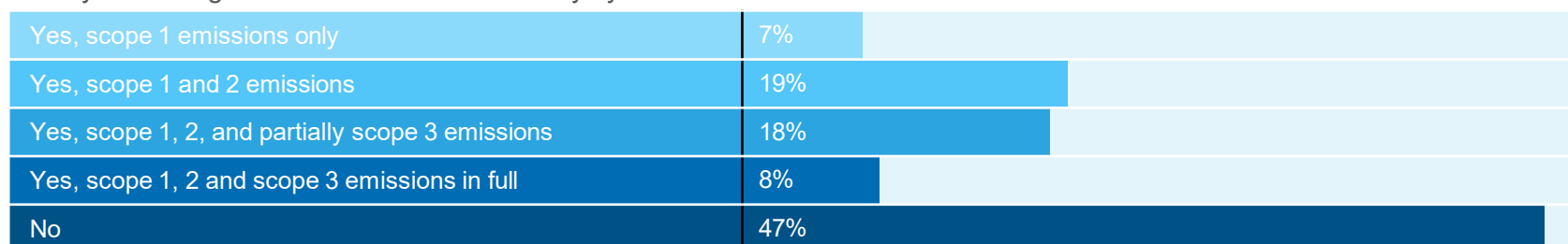


Calculation and reporting of carbon footprint

Do you regularly calculate your port's carbon footprint?



Have you set target to achieve carbon neutrality by earlier than 2050?





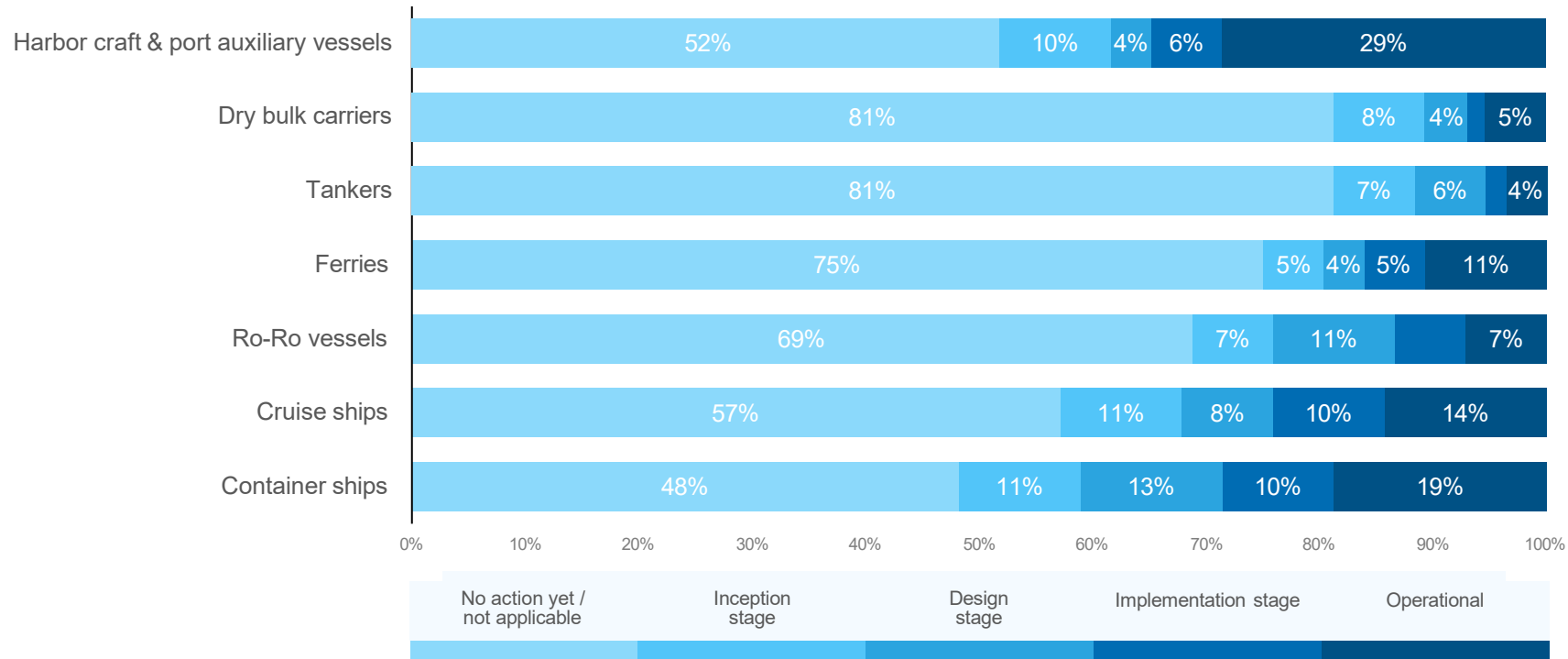
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INFRASTRUCTURE TO FACILITATE SUSTAINABILITY



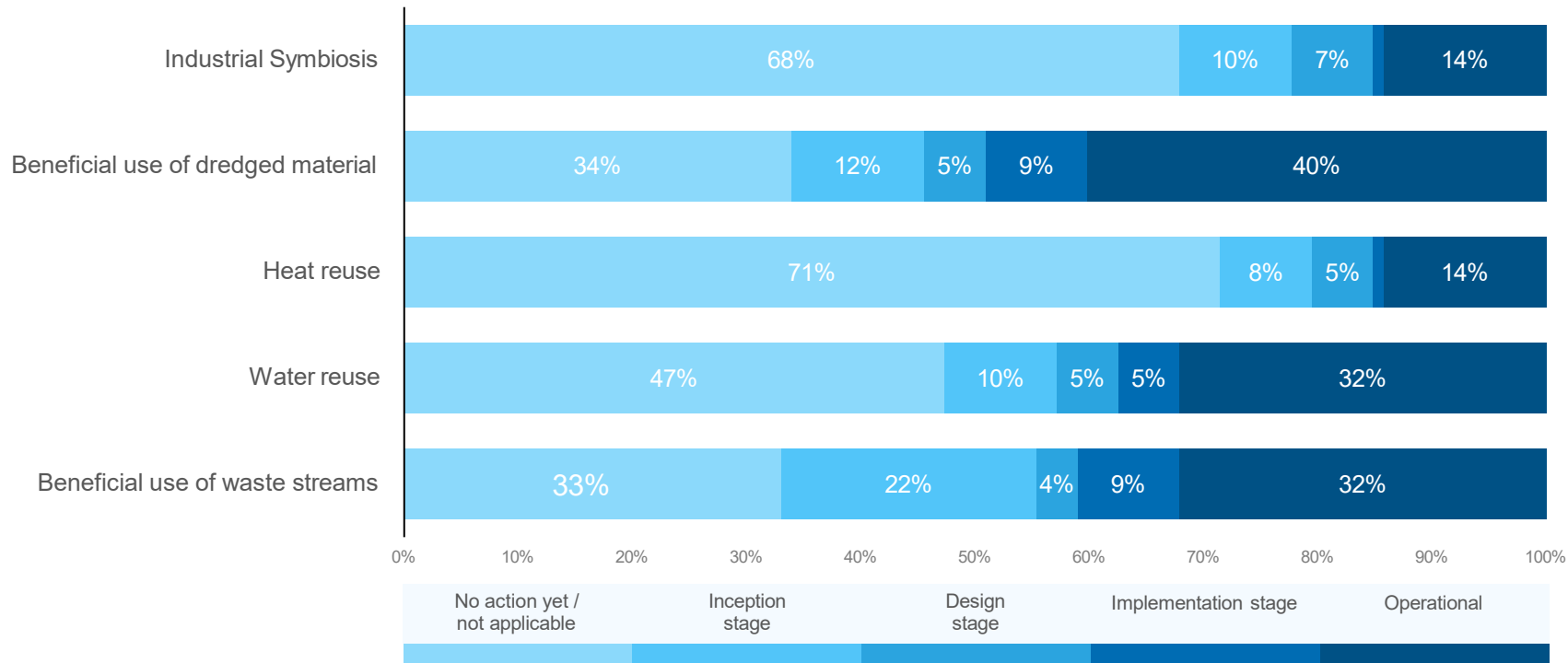


Implementation status of high voltage OPS for the commercial vessel types





Implementation status of circular economy in the port





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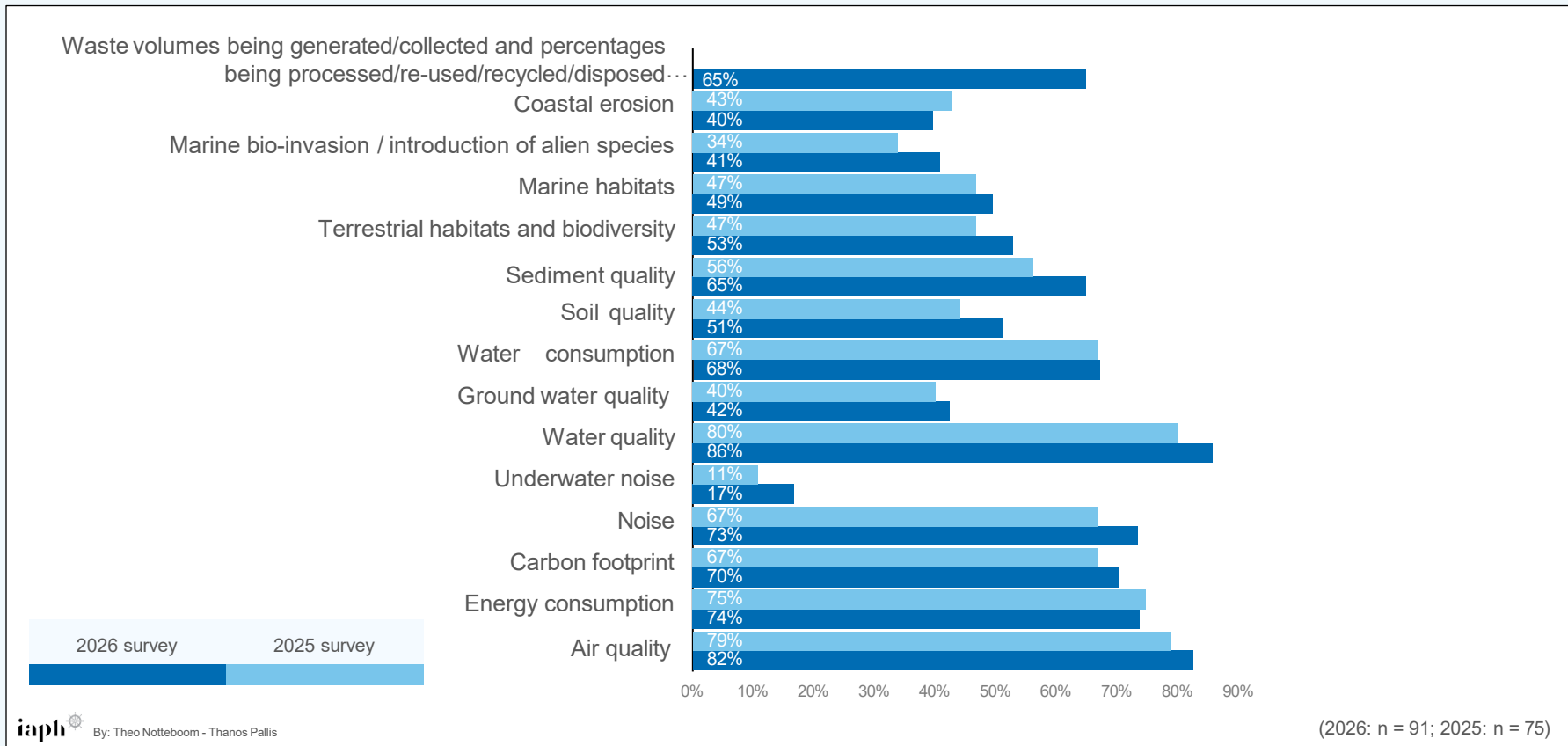
ENVIRONMENTAL CARE





Environmental care

Share of ports in which regular environmental monitoring takes place for the following parameters



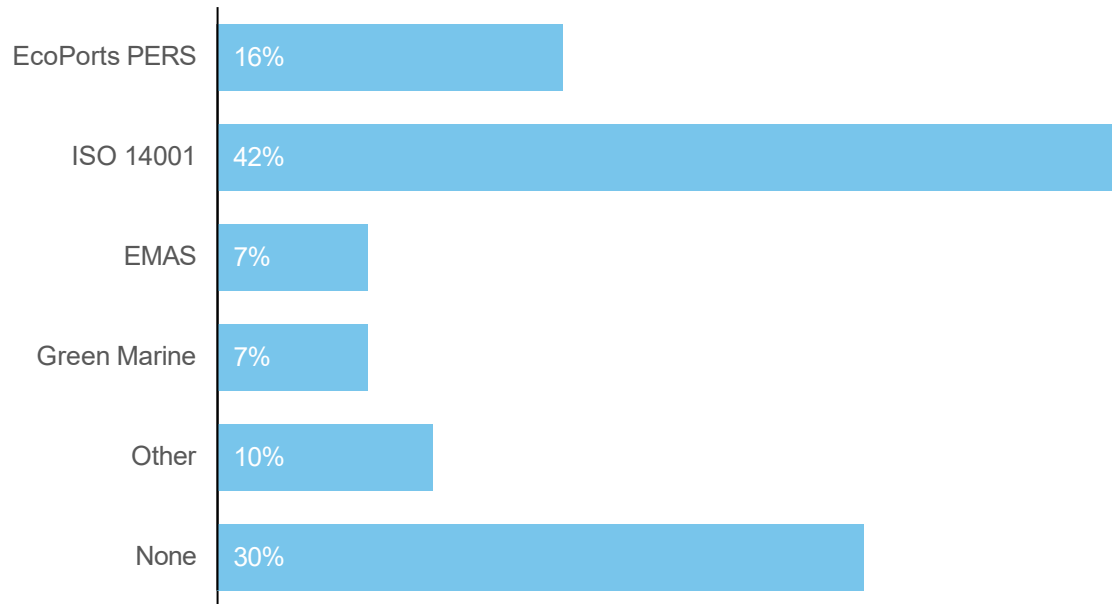
Note: the parameter "Waste volumes being generated/collected and percentages being processed/re-used/recycled/ disposed" was not included as a parameter in the 2025 survey.



Environmental care

Port certification under an environmental management system

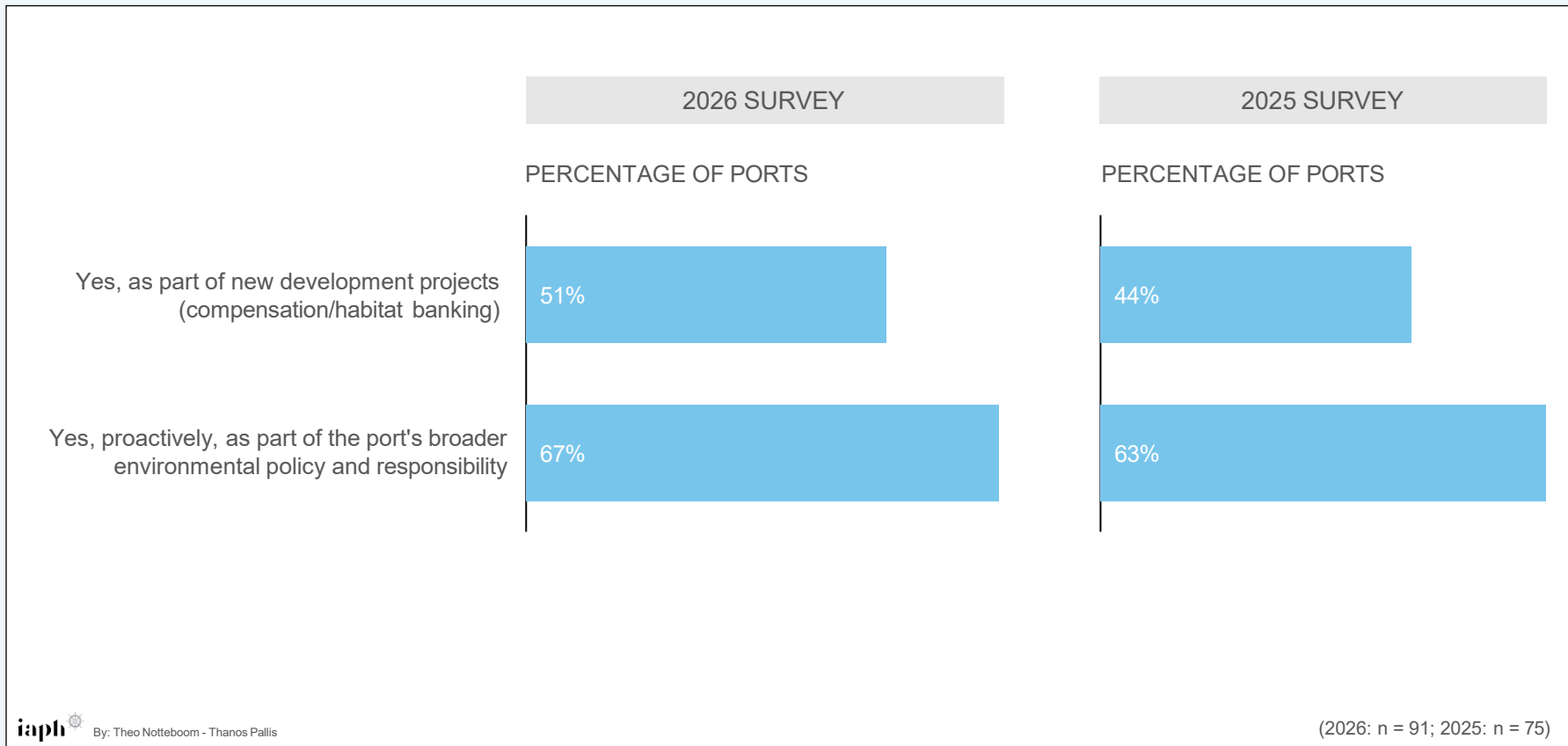
PERCENTAGE OF PORTS





Environmental care

Has your port been investing in ecological restoration initiatives under the following circumstances?



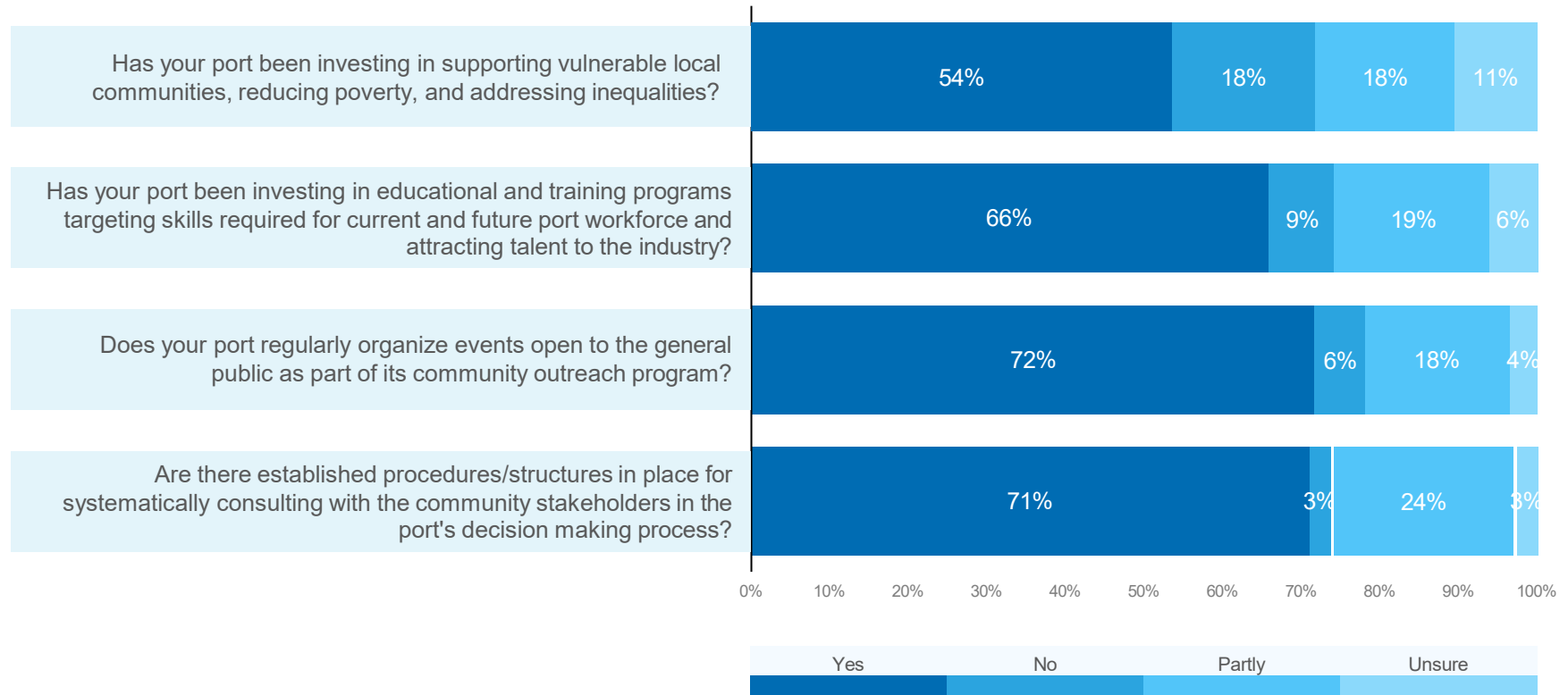
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COMMUNITY BUILDING





Status of community building initiatives

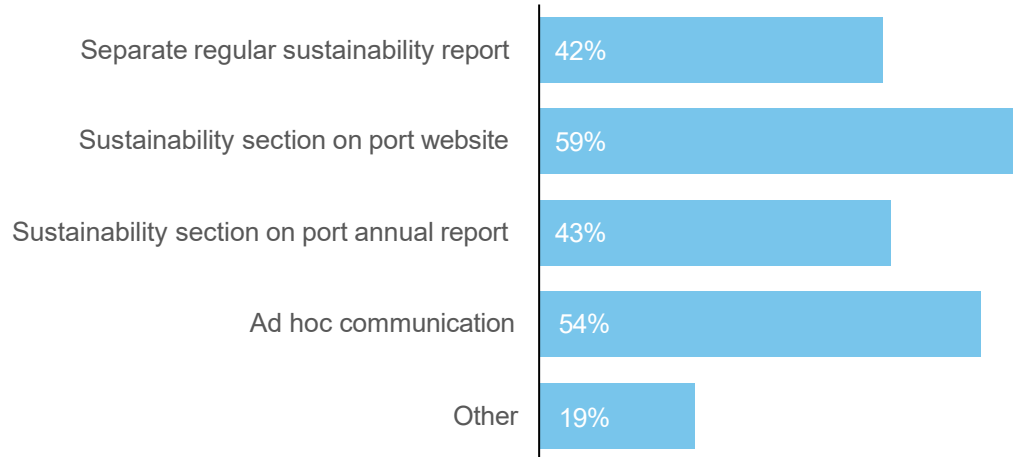




Means used to communicate on sustainability efforts

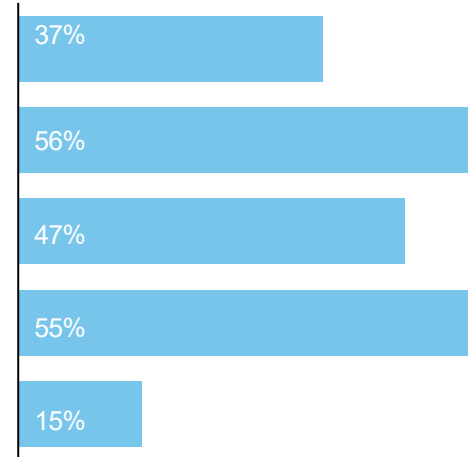
2026 SURVEY

PERCENTAGE OF PORTS



2025 SURVEY

PERCENTAGE OF PORTS

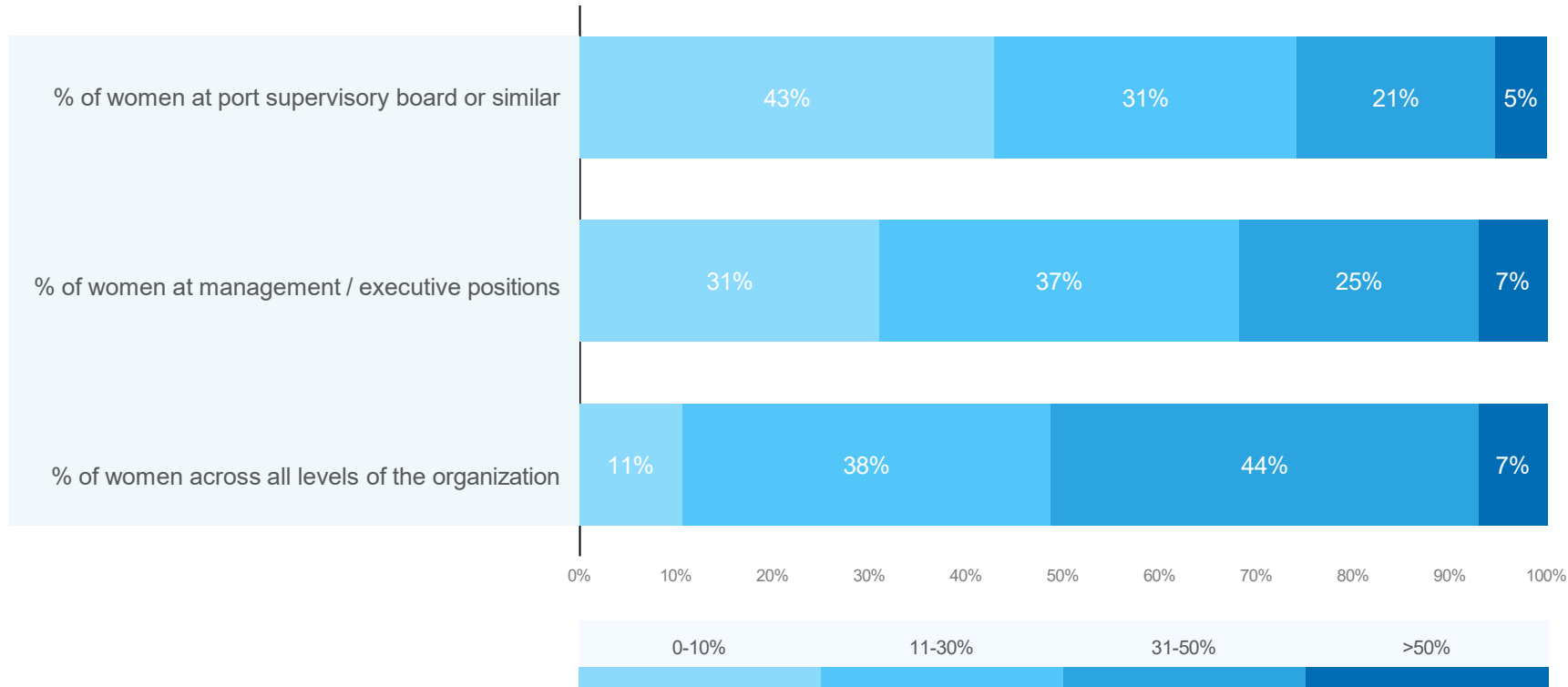




Community building



Share of women working at different levels of the port authority organization





Launch World Ports Sustainability Program

22-23
March 2018
Antwerp - Belgium



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World Ports
Sustainability Program





AREA OF INTEREST
CLIMATE AND ENERGY
 COMMUNITY BUILDING
 DIGITALIZATION
 ENVIRONMENTAL CARE
 HEALTH SAFETY AND SECURITY
 INFRASTRUCTURE

UN SDG
 1. NO POVERTY
 2. ZERO HUNGER
 3. GOOD HEALTH AND WELL-BEING
 4. QUALITY EDUCATION
 5. GENDER EQUALITY
 6. CLEAN WATER AND SANITATION
 7. AFFORDABLE AND CLEAN ENERGY
 8. DECENT WORK AND ECONOMIC GROWTH
9. INDUSTRY, INNOVATION AND INFRASTRUCTURE
 10. REDUCED INEQUALITIES
 11. SUSTAINABLE CITIES AND COMMUNITIES
 12. RESPONSIBLE CONSUMPTION AND PRODUCTION
 13. CLIMATE ACTION
 14. LIFE BELOW WATER
 15. LIFE ON LAND
 16. PEACE, JUSTICE AND STRONG INSTITUTIONS
 17. PARTNERSHIPS FOR THE GOALS

AREA OF INTEREST

UN SDG

LOCATION





Port Endeavor business game on sustainability



PORT ENDEAVOR





IAPH Sustainability Awards





2025
celebrating
seventy years

#IAPH2025 Sustainability awards winners!

 INFRASTRUCTURE Sponsored by REPS Incheon Port Authority ICT-based Smart Maintenance Technology for Port Infrastructure	 DIGITALIZATION Port of Antwerp-Bruges APICA Digital Twin
 CLIMATE AND ENERGY Port of Yokohama Port Decarbonization Plan	 COMMUNITY BUILDING Ghana Ports and Harbours Authority (GPHA) CSR beyond Port Boundaries
 ENVIRONMENTAL CARE Kenya Ports Authority Mangrove Restoration Program	 HEALTH, SAFETY AND SECURITY Sponsored by TTV Busan Port Authority Unified Strategy, Safety, Health & Resilience



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