

















# **Aligning Our Impact**

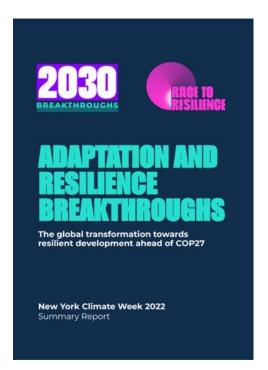
The Maritime 2030 Breakthroughs

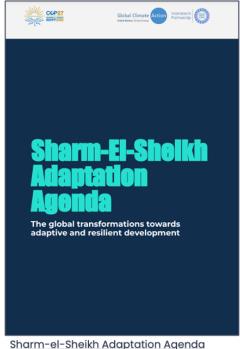


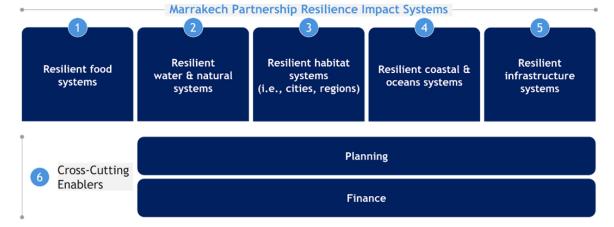
#### The Sharm El-Sheikh Adaptation Agenda

Building global momentum to mainstream resilience

**Ports** present a gateway to connect and realize transformation across key impact systems











#### Driving transformation through actionable targets

Maritime Resilience 2030 Targets for ports through the following activities.



Resilient Infrastructure	2030 Target: 30% of global maritime trade moves through climate adapting ports (*), connecting people and supply chains, with a focus on benefitting the world's most vulnerable regions.
Resilient Coastal and Oceans Systems	2030 Target: Across all regions, ports and their communities protect and enhance local coastal and ocean systems through nature-based solutions, to build port resilience and support thriving natural habitats.
Resilient Human Settlements	2030 Target: Across all regions, ports and their communities implement equity-focused social programs including around green jobs and community infrastructure that enable thriving ports and port communities.

(\*) Climate adapting ports are those taking high-impact, specific and systematic actions to factor climate risks in decision-making. They are embedding climate adaptation and resilience considerations into master planning, port governance, asset strategy and planning, and asset management through the asset lifecycle.





# Port Resilience in Action

Introducing a Holistic Framework









# **ARUP**

Mark Button

Maritime Decarbonisation and

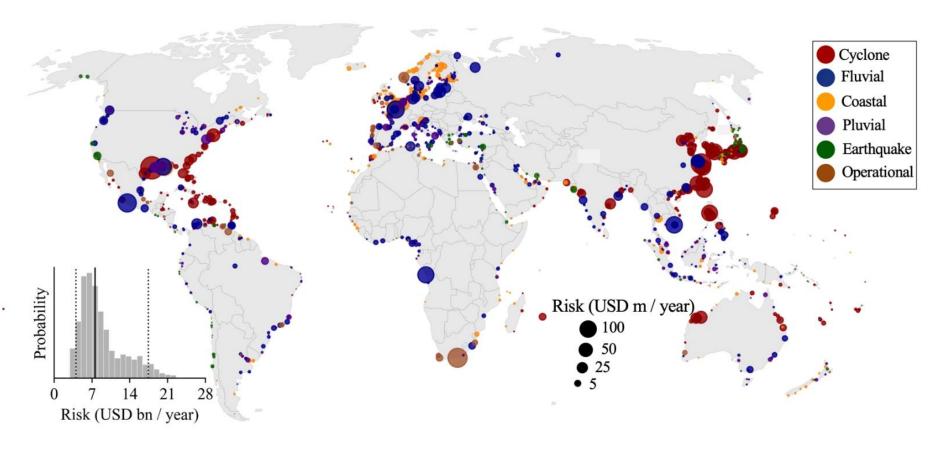
Resilience Leader







#### Global Footprint of Port-Specific Natural Hazard Risk



(i) Verschuur, J. "Multi-Hazard Risk to Global Port Infrastructure and Resulting Trade and Logistics Losses", University of Oxford, March 2022





Extreme weather events are increasingly impacting ports and their connecting infrastructure systems

Impacts of flooding at the Port
of Durban. Image Credit: Port
Technology









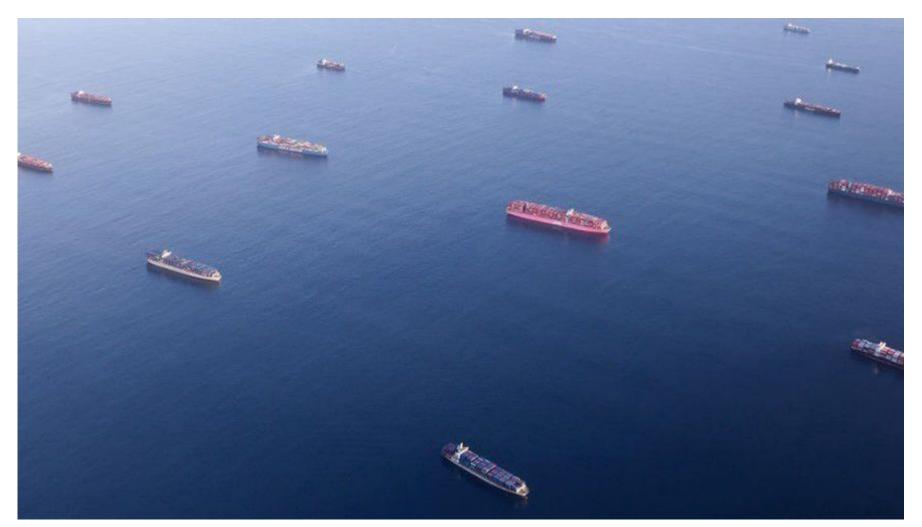
Geo-political factors are creating barriers to trade and transport.

Vehicles queuing at the Port of Dover. Image Credit: PA Media









Port
disruption,
linked to the
impact of
Covid-19, has
led to long
wait times for
vessels, with
persistent
knock-on
effects for
supply chains.

Vessels waiting in San Pedro Bay. Image Credit: Mario Tama.







#### What are resilient ports?

Resilient ports can withstand and adapt to changing conditions and recover positively from shocks and stresses.

Resilient ports are able to continue providing essential services despite whatever shocks and stresses they may face now and into the future.

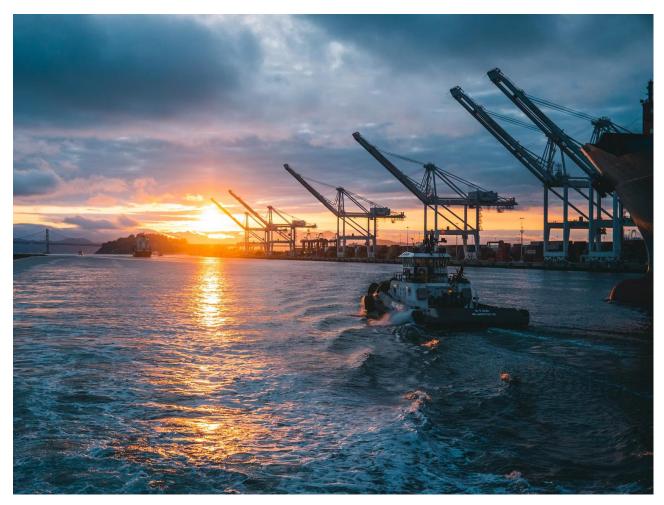
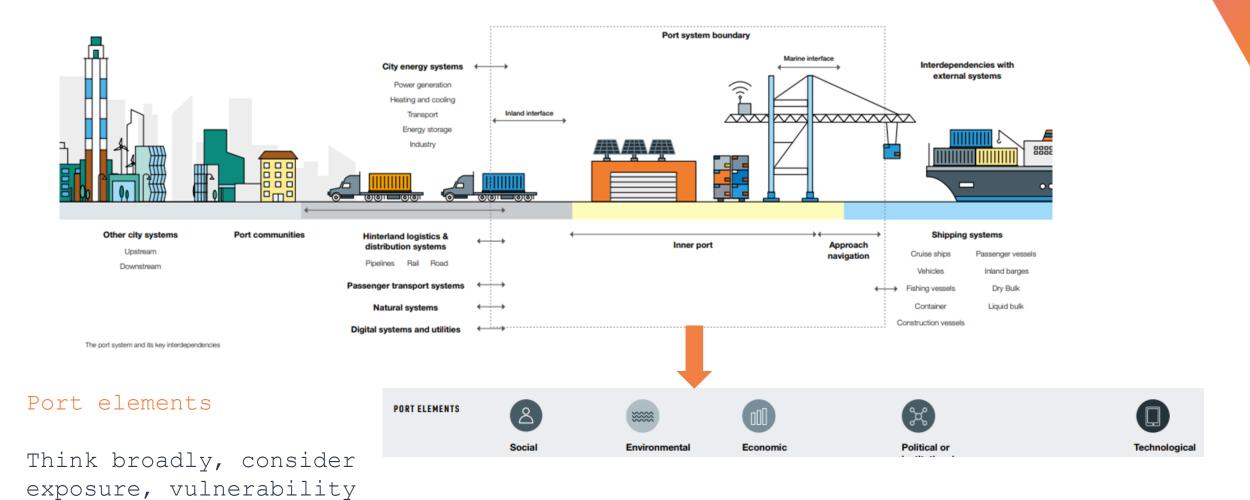


Photo by Ronan Furuta on Unsplash



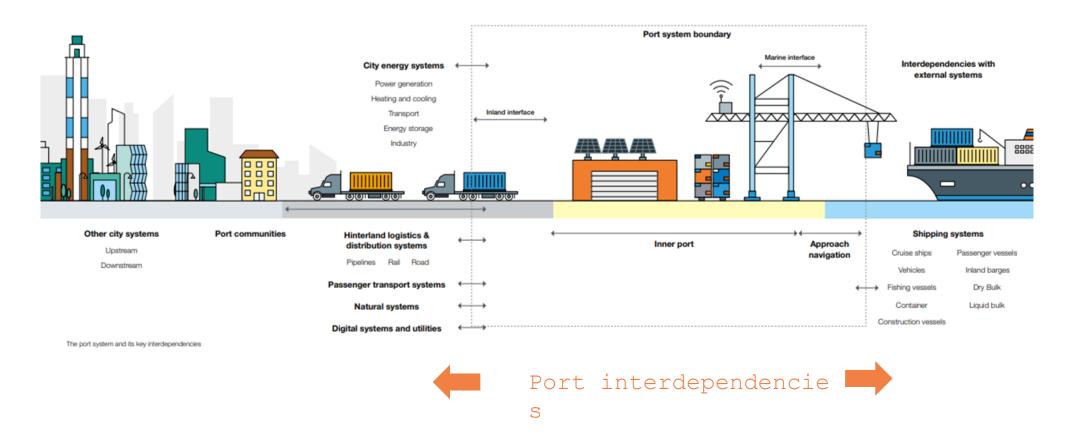








and criticality.



To make the city a better place to live, work and invest in

We must enhance the connections between ports and the systems the connect.



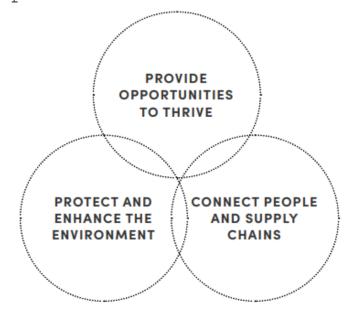




Photo by Bernd 10 Dittrich on Unsplash

## Port diversity

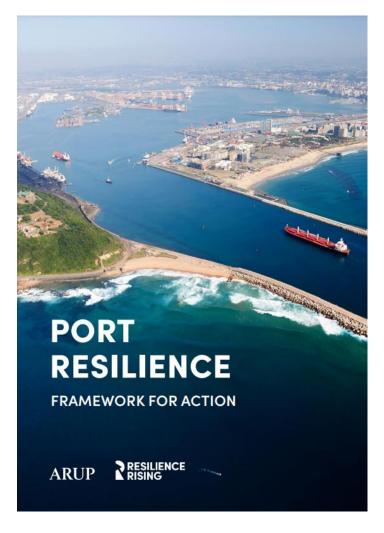
"When you've seen one port - you've seen one port!"





#### The Opportunity

The framework for action



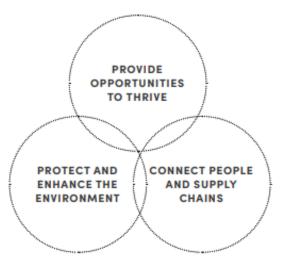
#### **DIRECT OUTCOME**

New and existing ports can deliver essential services regardless of the shocks and stresses they face now and into the future.

# RESILIENT PORTS

#### **IMPACT**

This will result in ports supporting the global economy and local communities through turbulent times, through the essential services ports provide.









#### The Opportunity

The framework for action



Actor

GOVERNMENTS



PORT OWNER AND OPERATORS



INVESTORS



DESIGNERS AND ADVISORS



CONTRACTORS



CIVIC SOCIETY



PORT USERS









# Climate change is a central disruptor for ports, amongst a range of others







**Extreme** heat

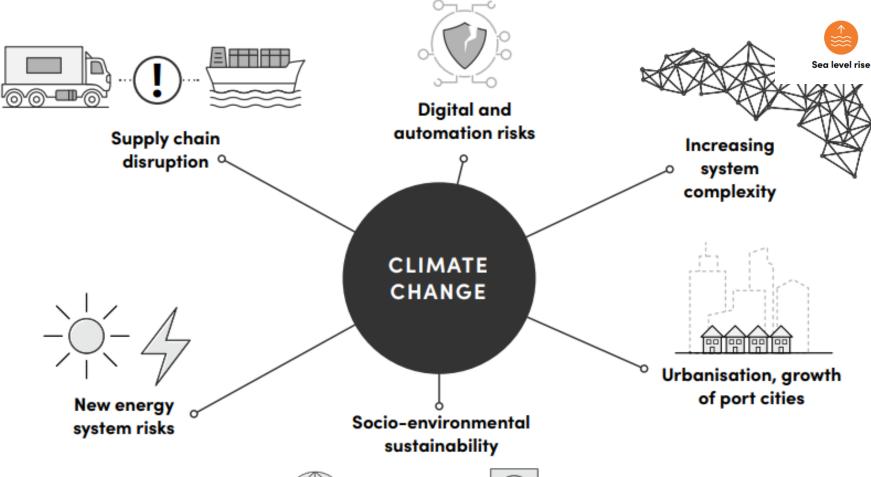
**Hurricanes** and cyclones

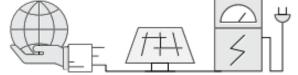


Increased wind speeds













# Innovating, Testing, and Scaling

The Resilience4Ports Labs

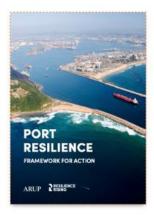






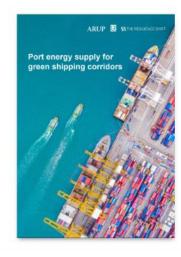
#### Building the case for transformation

Resilience Rising's thought leadership on ports resilience



## Port Resilience Framework for Action

November 2022



## Port energy supply for green shipping corridors

March 2022



# Resilience4Ports - Gateways to a resilient future

Jan 2021



# Resilience Shift Primer – Ports: An industry guide to enhancing resilience

May 2019



## Resilience Shift Round-Table – Ports and Logistics

February 2019



## Resilience of Global Food Supply Chains

June 2019







## Resilience4Ports Innovation Lab

In alignment with the Sharm-El-Sheikh Adaptation Agenda and the Maritime Resilience Breakthroughs, we aim to mobilize a diverse set of actors to collectively enhance the resilience of ports, surrounding communities, coastal environments and connected supply chains to the shocks and stresses of an uncertain future through a high-impact and collaborative effort that focuses on delivering holistic solutions.

























#### Resilience4Ports Innovation Lab Program approach and workplan

Build international, multi-sector partnerships

Advocate for port and maritime resilience and influence the global agenda

Phase 1

Establish and
mainstream a global
framework for port
resilience

Phase 2

Develop and pilot toolkits aligned with the port resilience framework for implementation at all Phase 3

Disseminate and scale most effective approaches globally

2023 2024 2025





