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GOVERNMENT OF PAKISTAN
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The blue economy in Pakistan Pathways to a sustainable blue future

OPPORTUNITIES FOR SUSTAINABLE AND ENVIRONMENTALLY SAFE SHIPPING OPERATIONS

By

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SUSTAINABILITY ECO-SYSTEM IN SHIPPING



Investments in greener technologies & phasing out of older tonnage

Shipowners, operators and charterers



Improvements in design and eco-friendly recycling

Shipbuilding, repair and recycling yards



Adoption of the Poseidon Principles

Financial stakeholders



Support of greener solutions

Cargo owners and OEMs



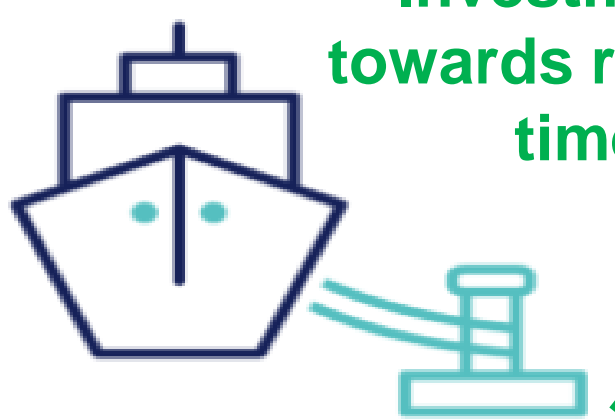
Establish & maintain technical standards

Classification societies



Enhance accountability

NGOs



Investment in equipment towards reducing turnaround times for vessels

Ports and port operators



Act as engines for transformational sustainability

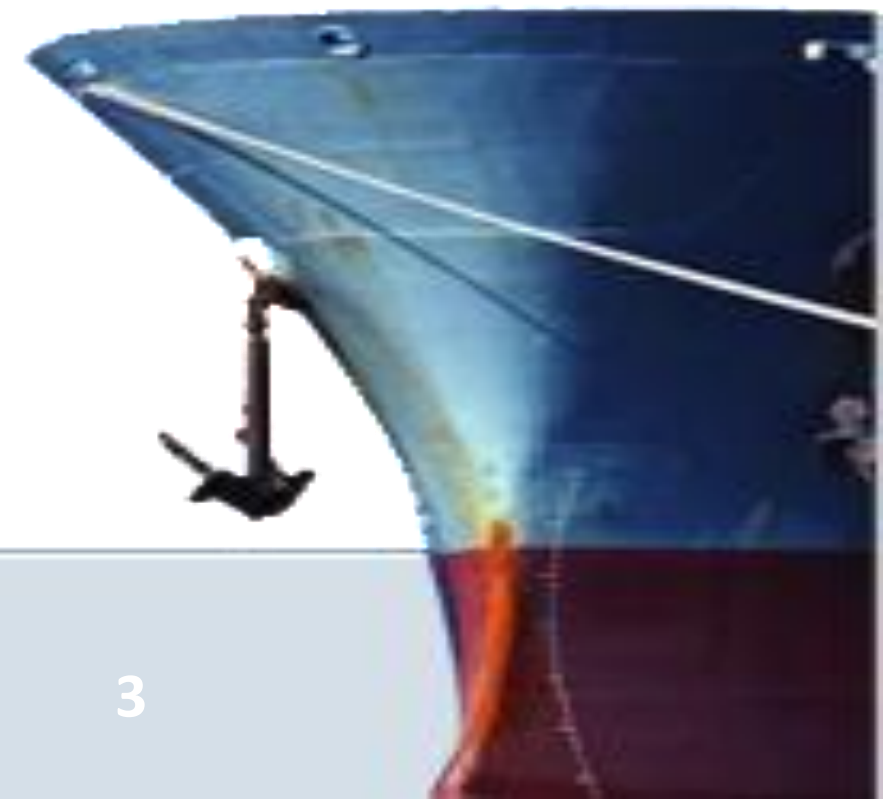
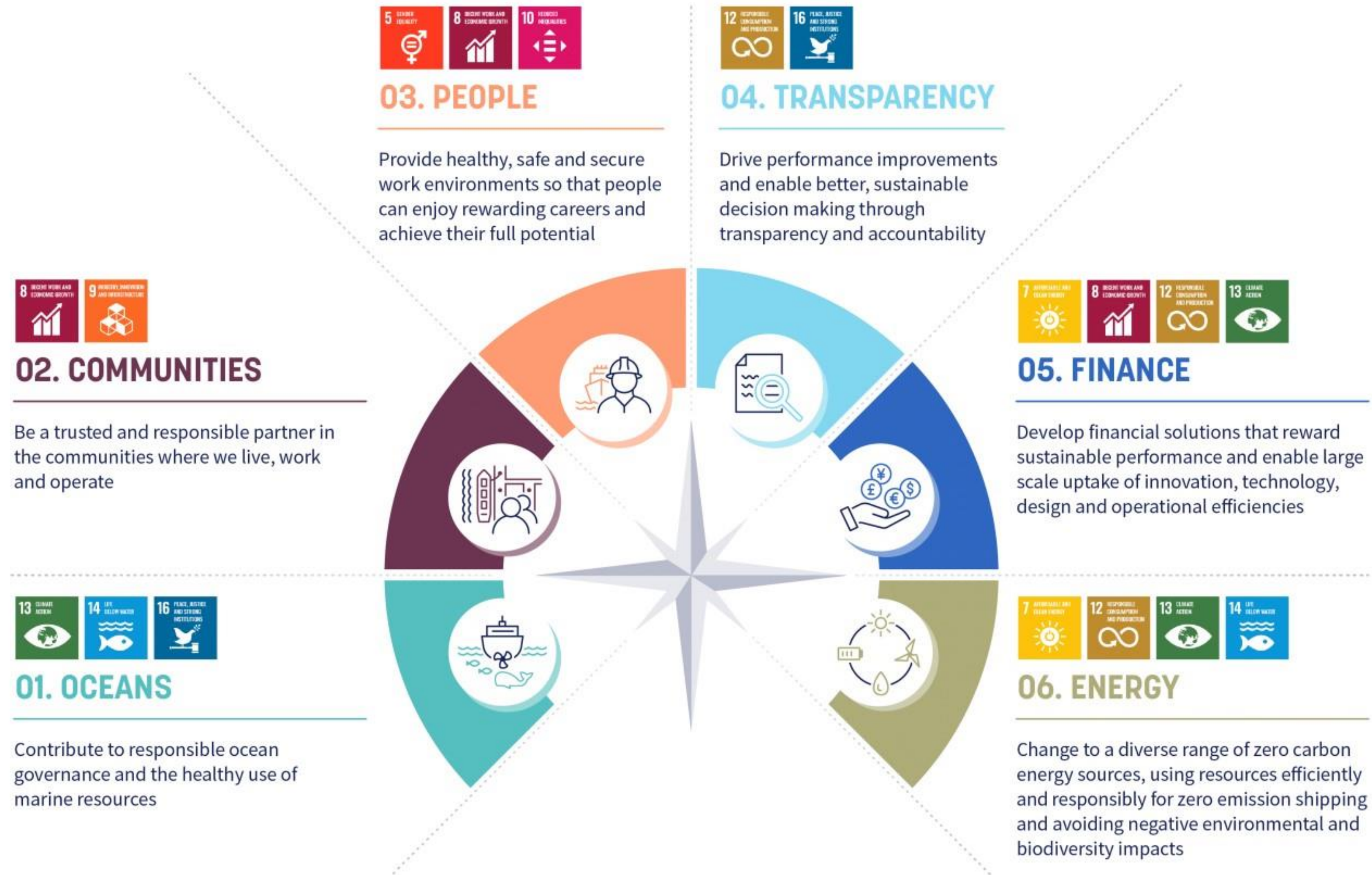
Academic and research institutions

Some of the major initiatives required to be undertaken by each broader group of stakeholders is given in **green text** above.



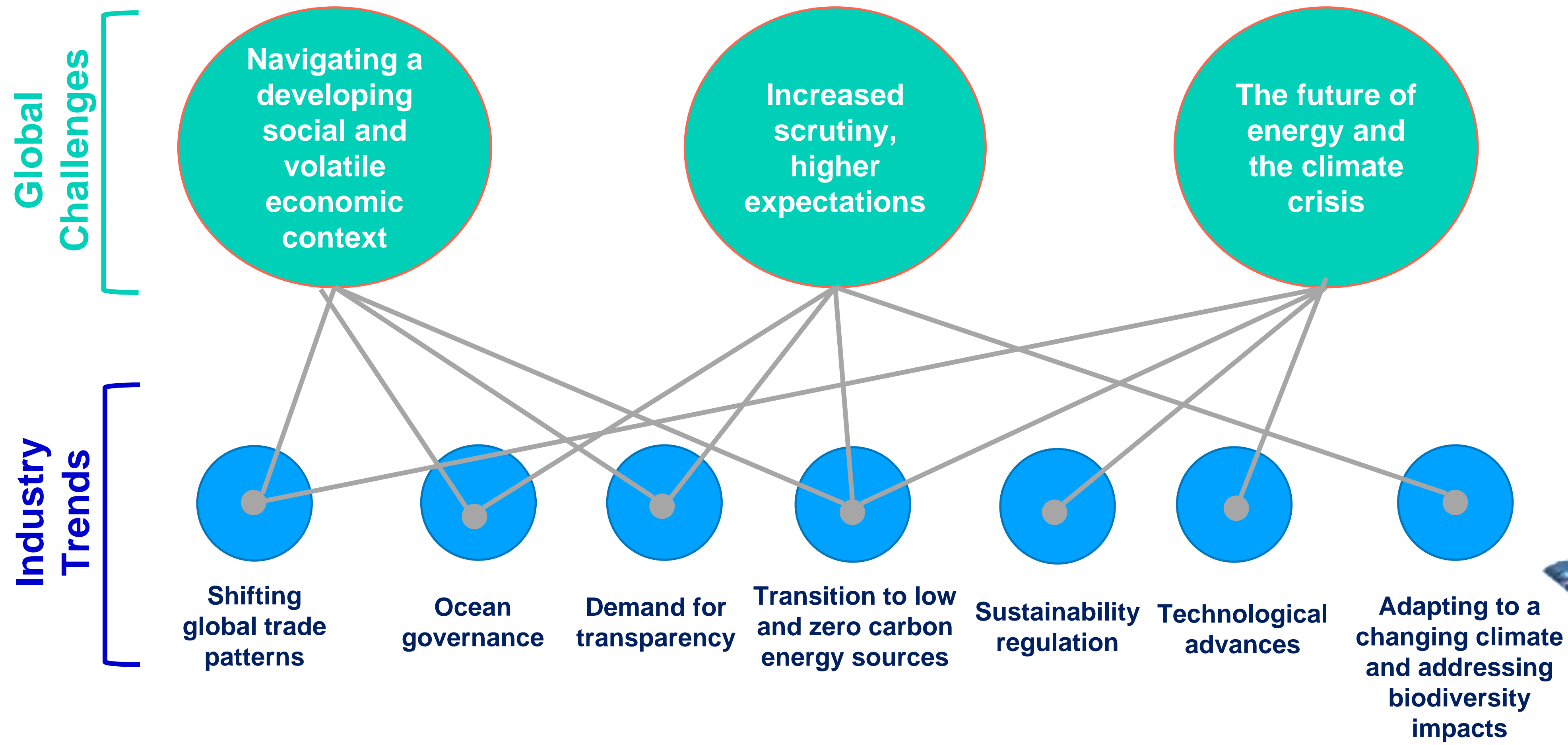


ROADMAP TO SUSTAINABLE SHIPPING

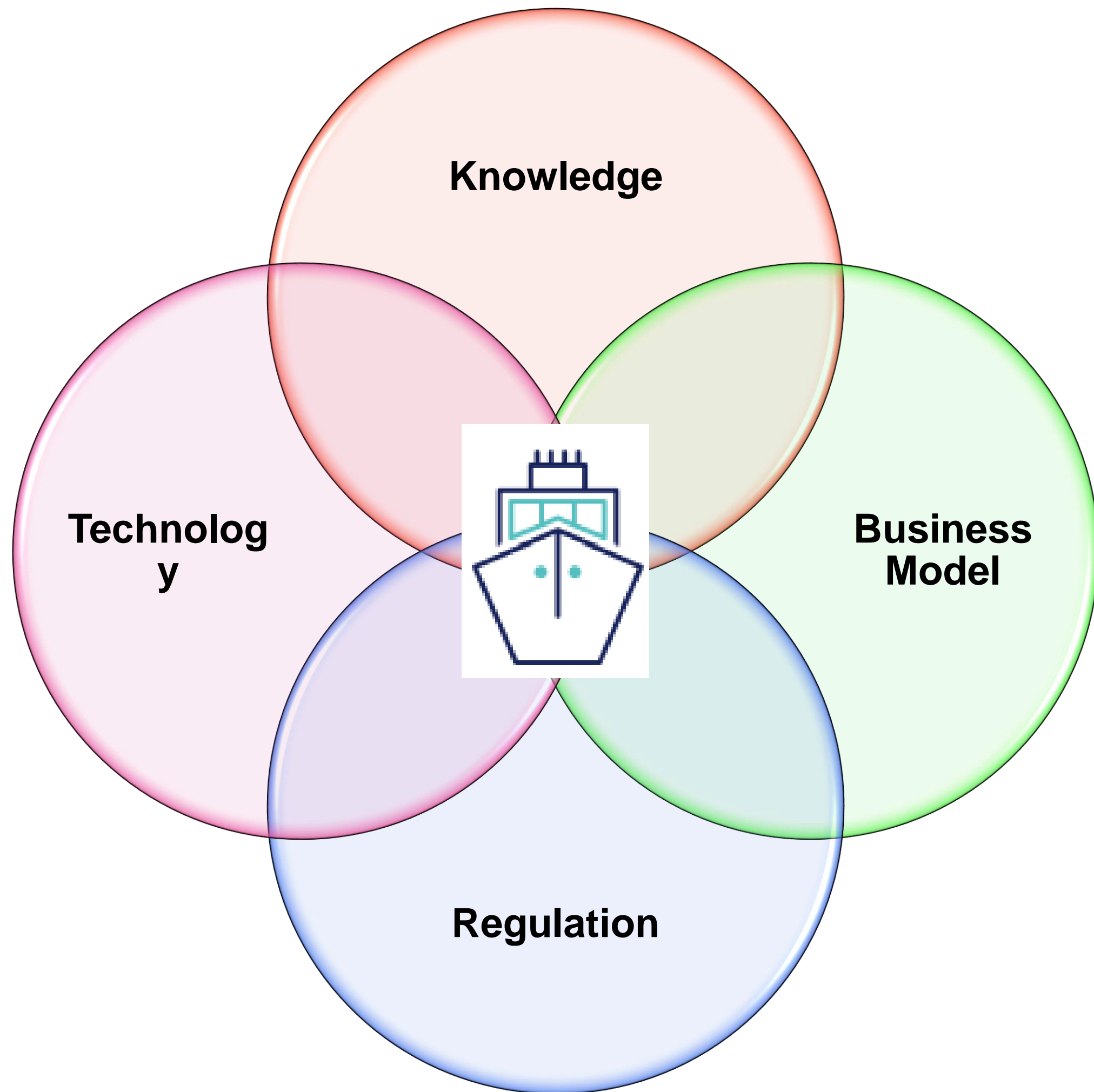




CHALLENGES FOR & TRENDS TOWARDS SUSTAINABILITY



SUMMING UP



Knowledge

- Generate awareness, knowledge and willingness to apply the concept of circular economy to shipping.

Business Model

- Develop business and finance models to support the need for cost-efficient solutions.

Regulation

- Connect regulatory forces at all levels to enable a regulatory framework that fits the global nature of the industry while mitigating adverse social and environmental impacts

Technology

- Understand how decarbonisation, closed loop infrastructure and value capture along the supply chain can support the transition needed





THANK YOU

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