

Developing qualified workforce for greener ports

Theocharis Tsoutsos, Stavroula Tournaki, Nikolaos Skarakis and Maria Frangou



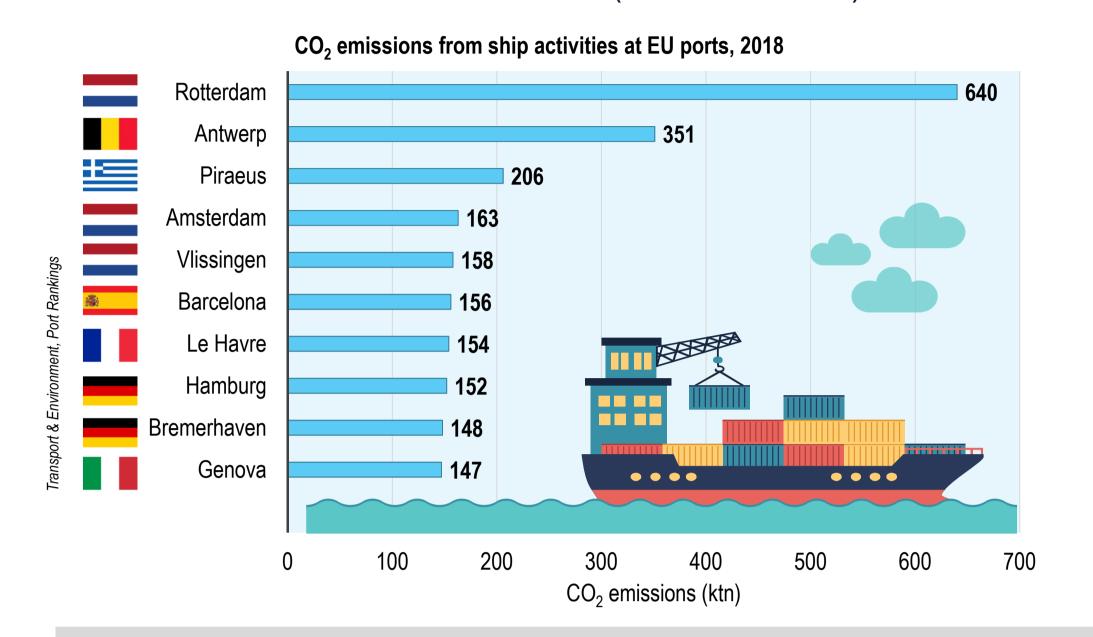
Automatization

Renewable and Sustainable Energy Lab, School of Chemical and Environmental Engineering Technical University of Crete, University Campus, Akrotiri, Chania 73100, Greece

Ports in Green Transition: The challenge

1200+ ports in the EU
5.4 million jobs in the EU Blue Economy, by
2030

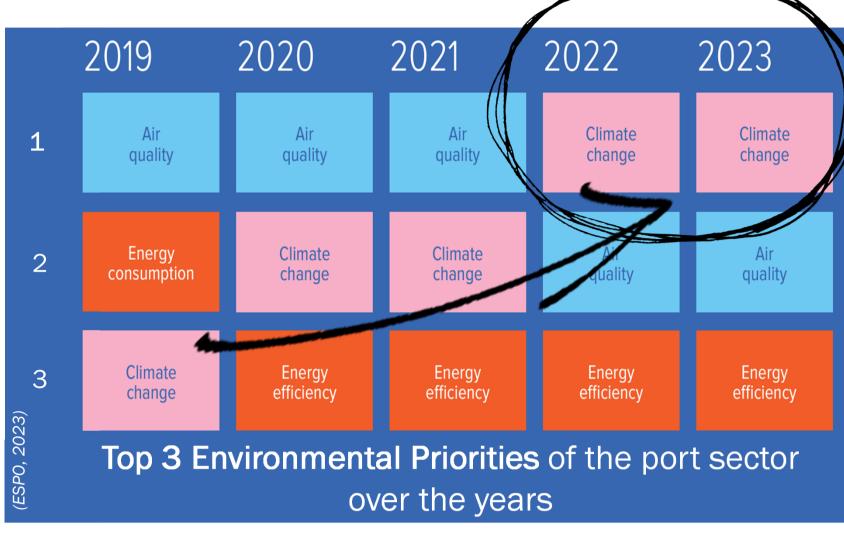
46% of goods transported between the EU and the rest of the world (74% in volume)



2.9% of human related emissions are attributed to global shipping (2018)

3-4% of EU's total CO emissions are due to

3-4% of EU's total CO₂ emissions are due to maritime transport, of which 6-7% are produced at berth in ports (2019)



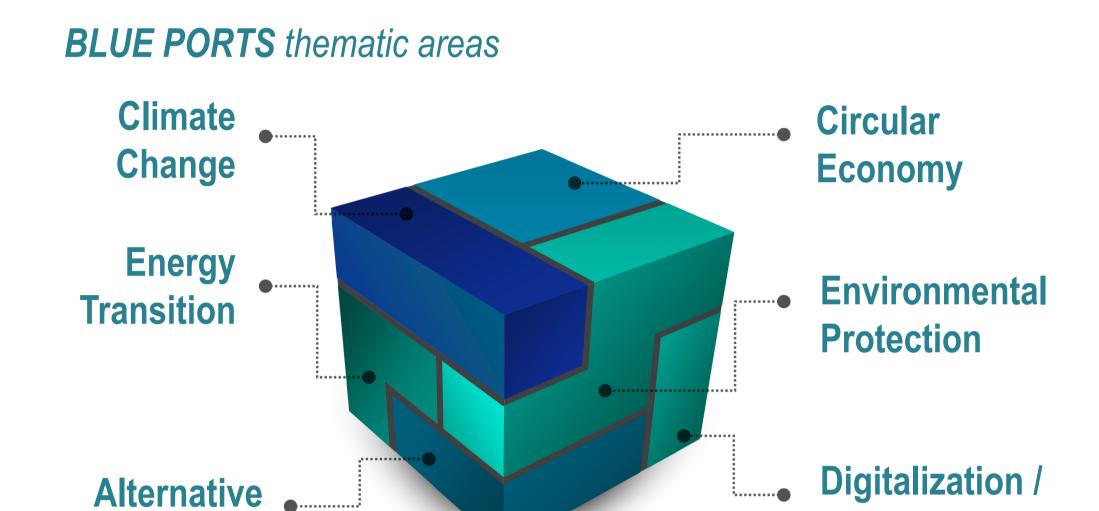
Today, the Blue Economy workforce lacks the knowledge, skills and competences required to promote green pathways and to efficiently employ recent technologies/techniques in alignment with the European Green Deal.

The BLUE PORTS project

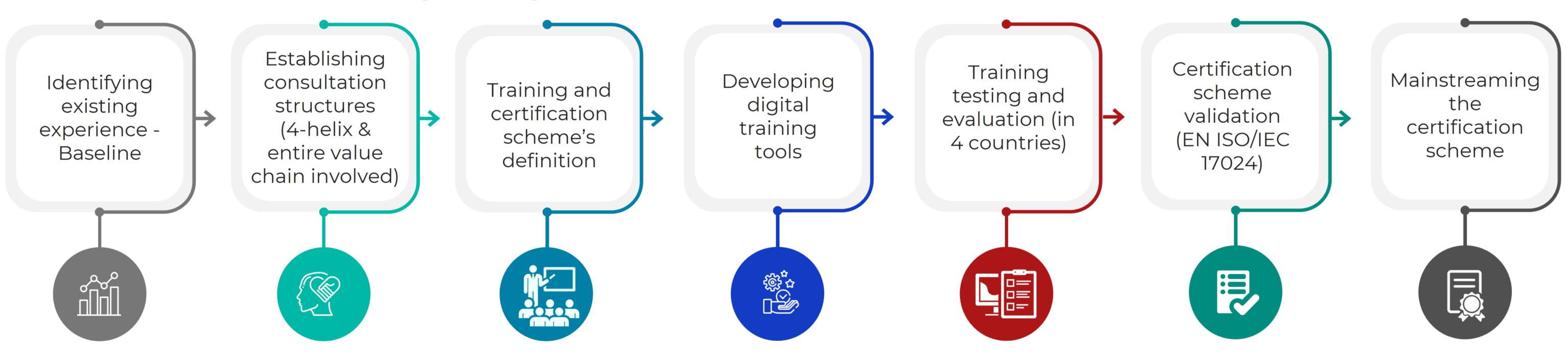
Fuels

BLUE PORTS enhances the skills and capacity of the human capital within the port ecosystem, focusing on small and medium ports, with a view to support and foster their green transition.

By delivering a mutually acknowledged training and certification scheme at the European level, in accordance with ISO/IEC 17024, BLUE PORTS offers a competitive advantage to the workforce and helps minimize the environmental footprint of ports.



The BLUE PORTS development process





Expected results

- ✓ Skills enhancement through a comprehensive training program, accessible to port personnel, authorities, academia
- ✓ Reskilling and upskilling opportunities to facilitate career advancement, job mobility and talent retention
- ✓ Promoting employability providing green, digital, soft, transversal, inter-/multi-disciplinary, managerial, and entrepreneurial skills
- ✓ Hands-on learning with practical examples from selected cases
- ✓ Increasing awareness and attractiveness of blue career opportunities

In the long run:

- ✓ Reduction in GHGs emissions
- ✓ Common quality standards on Blue Economy staff training throughout Europe
- ✓ Competent staff in an ever-growing sector
- ✓ More confidence in the technology of opinion leaders, planners and consumers
- ✓ Improved and cost-efficient maintenance procedures.

The **BLUE PORTS** team

Project Coordinator



TECHNICAL UNIVERSITY OF CRETE
SCHOOL OF CHEMICAL AND
ENVIRONMENTAL ENGINEERING
RENEWABLE AND SUSTAINABLE ENERGY
SYSTEMS LABORATORY

























Contact info

Theocharis Tsoutsos

Renewable and Sustainable Energy Lab, Technical University of Crete University Campus, Chania 73100, Greece

Email: ttsoutsos@tuc.gr Web: www.resel.tuc.gr