

The Green Shipping Programme

- a public-private partnership programme

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Green Shipping Programme

Background: A paradigm shift in maritime

Emissions will be regulated and get a cost

Green demands from the market, investors, employees and the public

This represents a significant business opportunity

Vision

The world's most efficient and environmentally friendly shipping

Goals

Profitable emission reductions

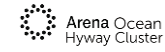
Sustainable logistics solutions

Green jobs

Increased competitive advantage

Front runner in green shipping

Green Shipping Programme



Motivation for members to join the Shipping Programme



Collaboration

Competitive advantage



Influence future policies and incentives

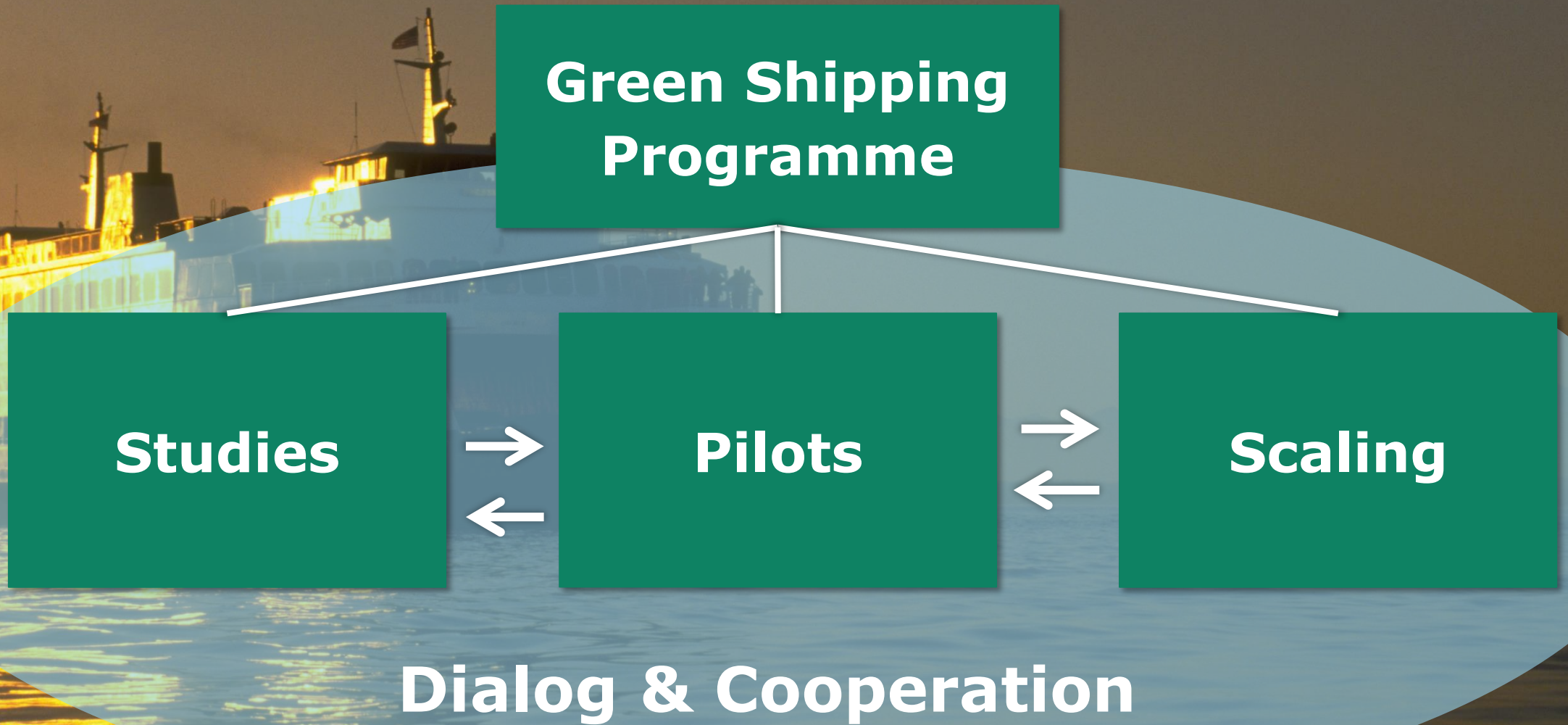
Learn from each other

Partner meetings - connecting



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GSP in a Nutshell



Pilot overview – 44 pilots

Pilot Legend:

Under realization

Maturing

In progress

Other activities:

Cargo owner forum

Tech. radar

Pilot owner

Cargo owner

Greenbulk

Logistics 2030

Public procurement

Ammonia deep-sea tanker

Ship owner

Yara Birkeland

Fish farm vessel

LNG bunker vessel

Hydrogen cargo-ship

Ammonia deep-sea bulker

Ammonia sea trawler

Shuttle tanker

Transport of fish

Sail in a box

Bio-gas

Zero-emission high speed ferry

Smart ships

Autonomous drone

Battery HSLC

Bio-diesel ferry

Cruise roadmap

On board CCS

Cargoferry

Fishing vessels

Hydrogen HSLC

Ammonia ferry

Methanol new build

Methanol Retrofit

Infrastructure

Green port

Port Index

Hydrogen infrastructure

LOHC infrastructure

Port barometer

Transition of LNG infrastructure

Finance

Financing 2^o shipping

Green finance

Transition financing shipping

Green infrastructure

Transition financing ports

Transition financing fishery

Other

Next generation bulker

Autonomous ferries

Circular economy

⁶ Reuse offshore vessels

Battery ferry Greece

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Next generation bulkers
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Autonomous ferries

Circular economy

7 Reuse offshore vessels

Battery ferry Greece


Green Shipping Programme

Ammonia powered bulk carrier



Goal: World's first ammonia "open hatch" bulk carrier

Partners include all important parts of the value chain

Technical and economical feasibility

Identify safety and regulatory barriers

Service Center for Green Fleet Renewal

- Public funding of services
- 39 ships in 22 projects
- Some started as pilots
- Most are based on compressed hydrogen or ammonia
- Most driven by cargo owners



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GSP learnings

**Make the
green
markets
work**

**Identify and
resolve
barriers**

**Collaborate
and engage**

**Piloting for
scaling -
Coastal
shipping can
pave the
way**

**Influence
future
requirements,
policies and
incentives**



Thank you for your attention!

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