

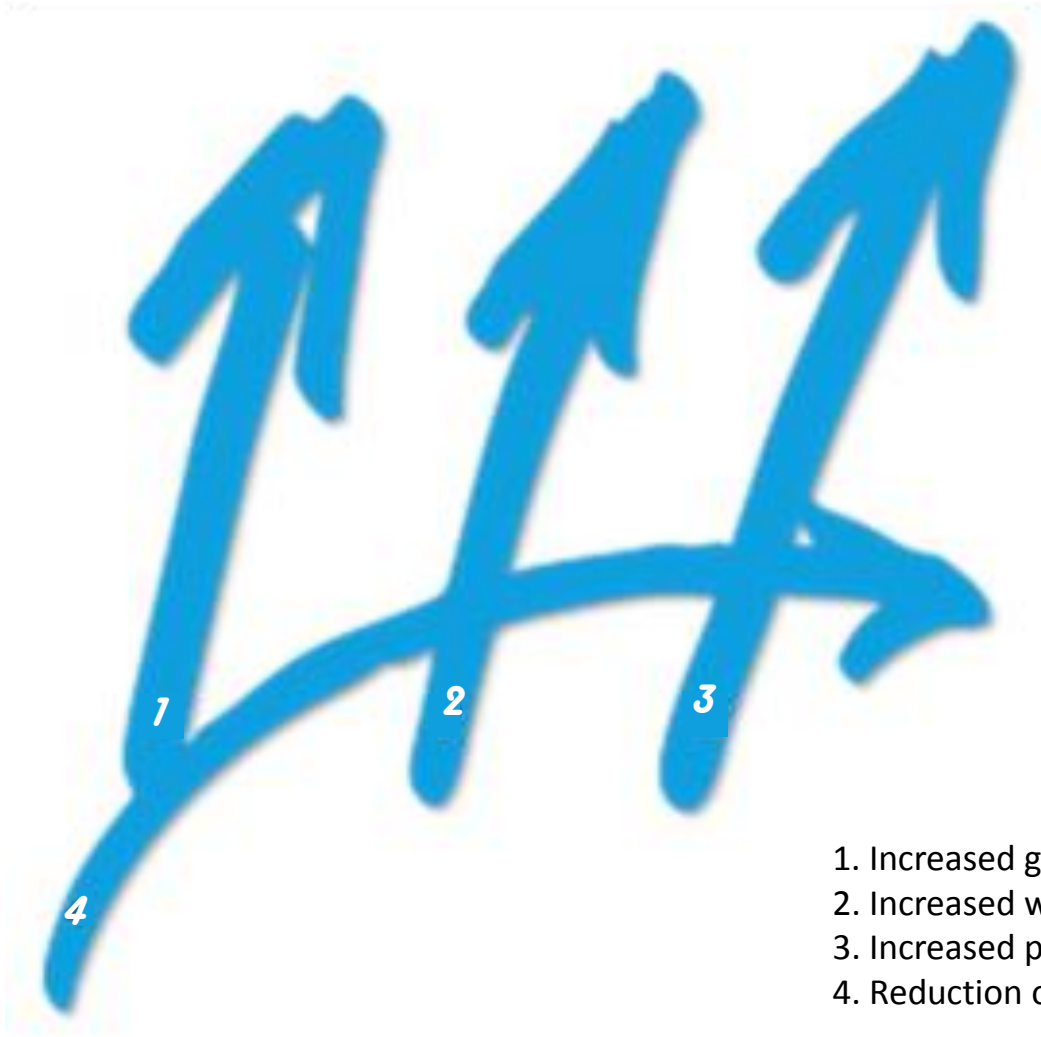
# ZERO VISION TOOL

A method and collaboration platform for a safer, more environmentally, climate and energy efficient while still profitable transport at sea

Future Workshop:  
Steps to Smart Maritime Technology Solutions

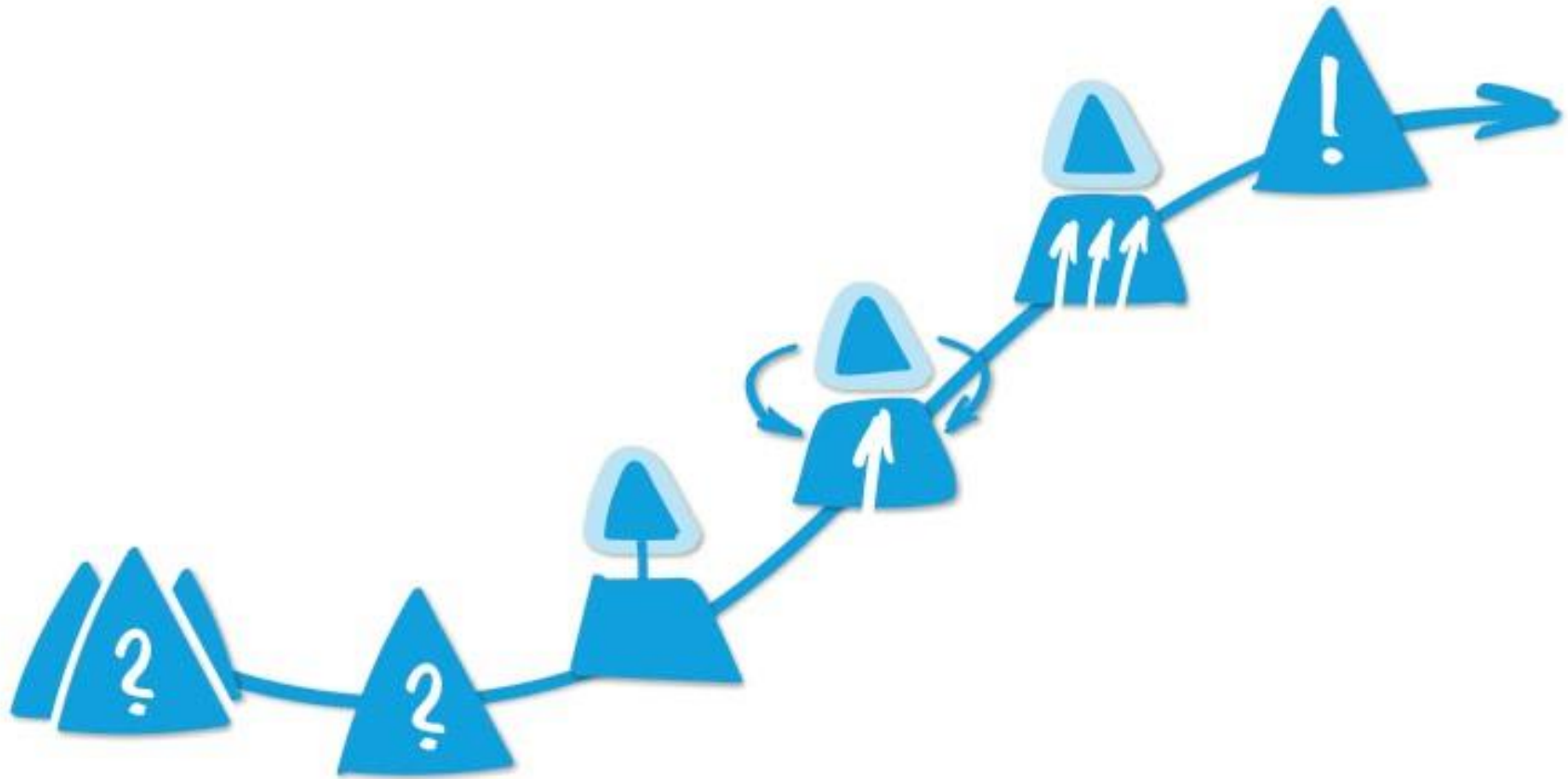


# VISION



1. Increased growth
2. Increased welfare
3. Increased profitable transport at sea
4. Reduction of negative environmental & climate impact

# CHANGE - STEP BY STEP



1. Understand the need for change

2. Diagnosing the system

3. Create a pionering practice

4. Enable the tipping point

5. Sustain the transition

6. Establish the new normal

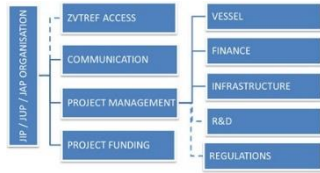
# METHOD & PROCESS

## New solution



A joint solution is suggested to reach the vision zero

## Establish JIP/JUP/JAP



Different types of stakeholders agree on aims and progress expectations

## Included working areas



What and how are the following affected by the suggested solution; vessel, infrastructure, finance, regulations and R&D

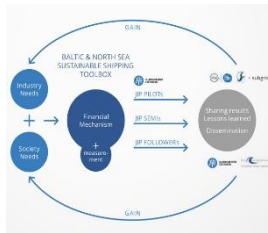
## RGG traffic lights



Reporting (from JIPs, JUPs, JAPs) What is solved, what needs to be discussed further, what needs an external party to reach the vision zero



## Wider benefits



The benefit to society and sea, when using a safer and more environmentally, climate and energy efficient transport at sea

## Dissemination



Shared knowledge via among other things lessons learned and results at conferences, video, web and social media

## Collaborations



Collaboration both internal and external, such as HELCOM, CBSS, ESSF and other branches to solve issues and reach the vision zero

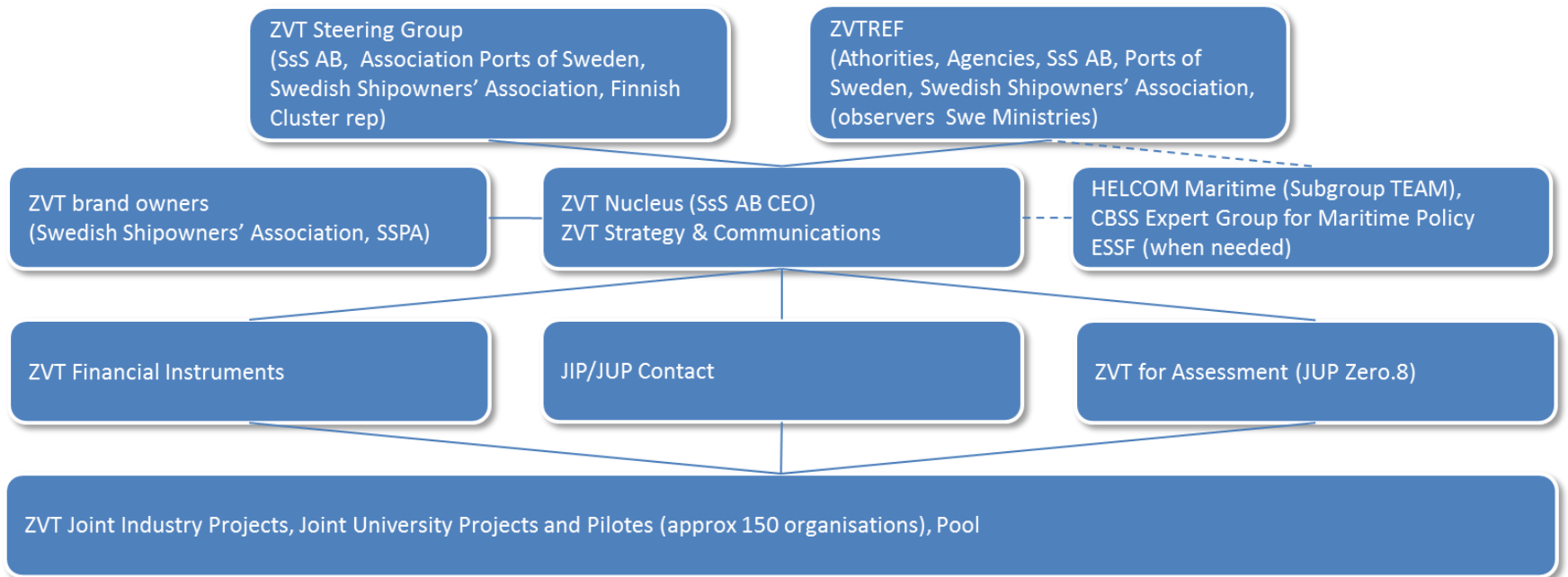
## ZVT REF



RGG reports are compiled for info to governmental bodies, for them to solve or to take issues further in Europe or globally



# ORGANISATION



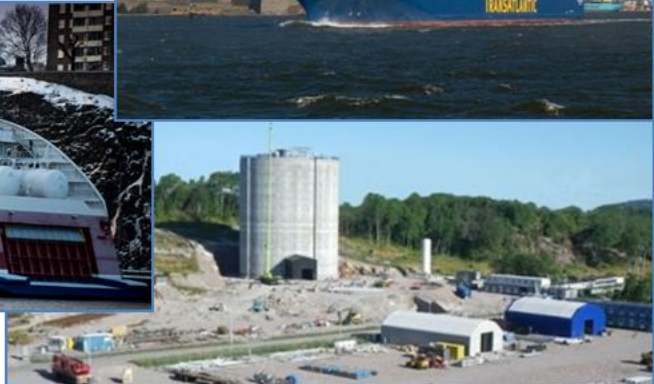
# RESULTS



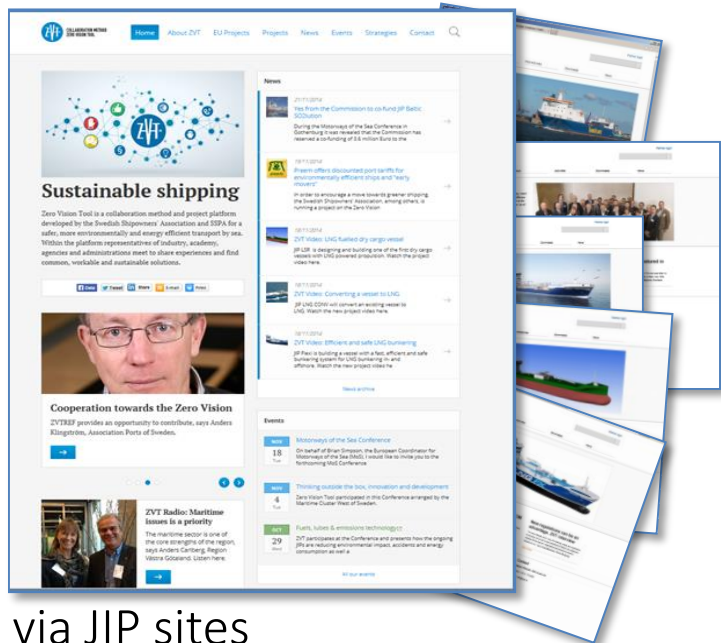
**Let's begin!**  
 After registration and some morning coffee it is time to get started. The Theatre is filled to the brim - 210 participants and 48 speakers shared their knowledge throughout the 2 conference days at Hotel 11 in Gothenburg, on the westcoast of Sweden.



#GotMoS



# KNOWLEDGE SHARING



via JIP sites  
& zerovisiontool.com



via workshops,

conferences & seminars



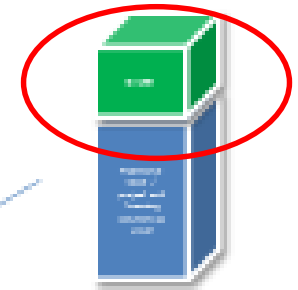
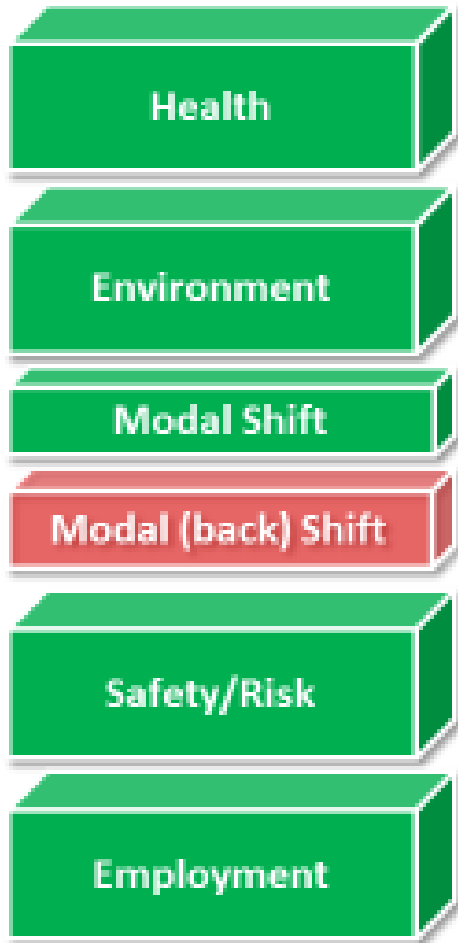
via PodRadio & Youtube

via LinkedIn & Twitter

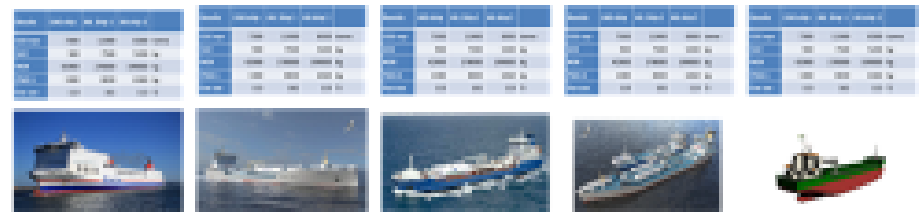
# MEASUREMENT & VERIFYING of the;

*“Benefit to the Society and the Sea”*

**ZERO.8**



## Ton and Euro?





# MEASUREMENT & VERIFYING of the;

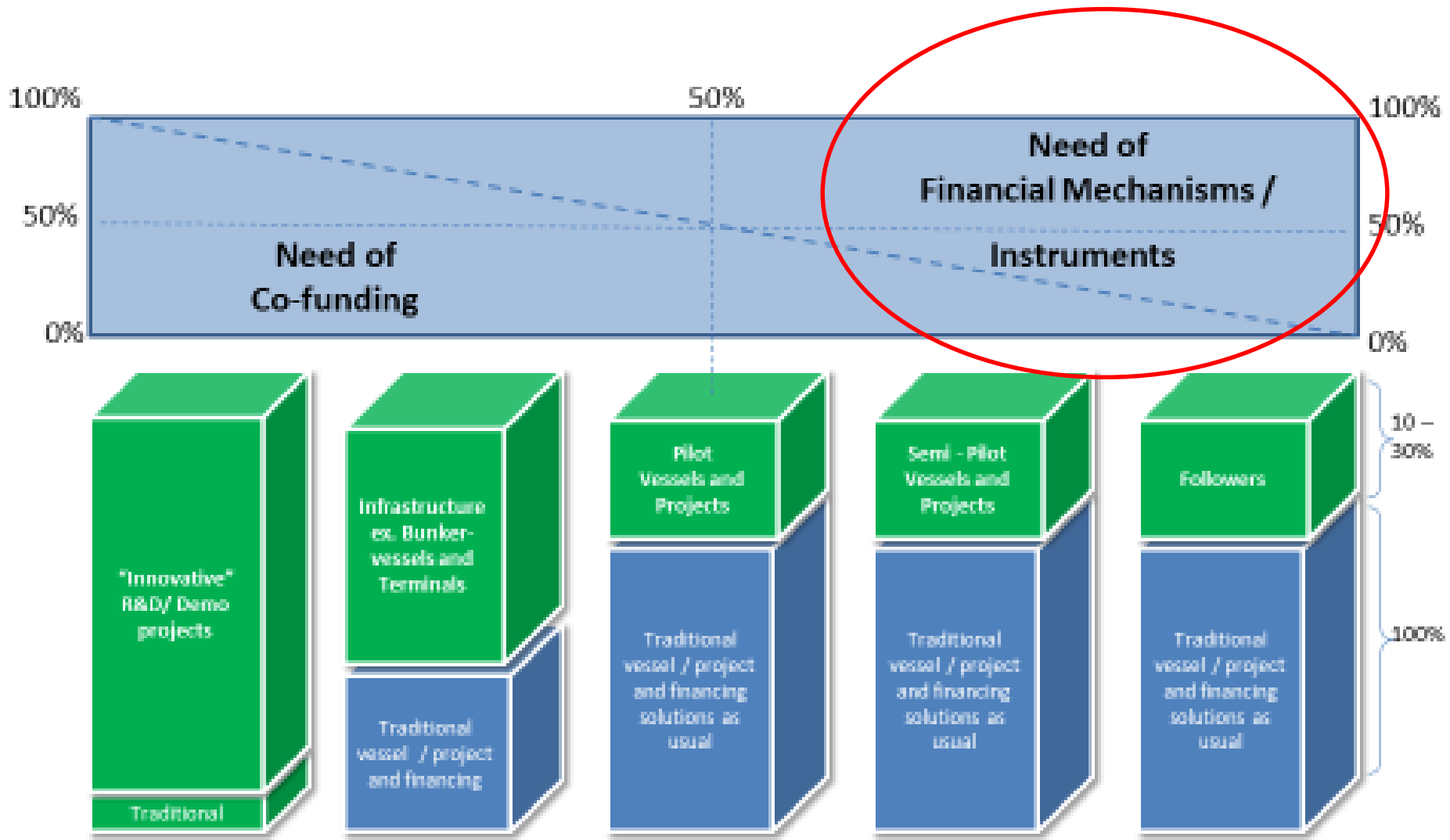
*“Benefit to the Society and the Sea”*

# ZERO.8

	LNG (New building)	LNG (Retrofit)	Methanol (Retrofit)	
Results				
Human health	510-2500	380 - 1900	260-1300 (5 400 SCR)	k€
Climate	31-320	7-77	21-220	k€
Crop	25	19	100	k€
Sum	570-2900	410-2000	380-1600 (5700SCR)	k€



# TYPES OF SUPPORT for a PARADIGM SHIFT



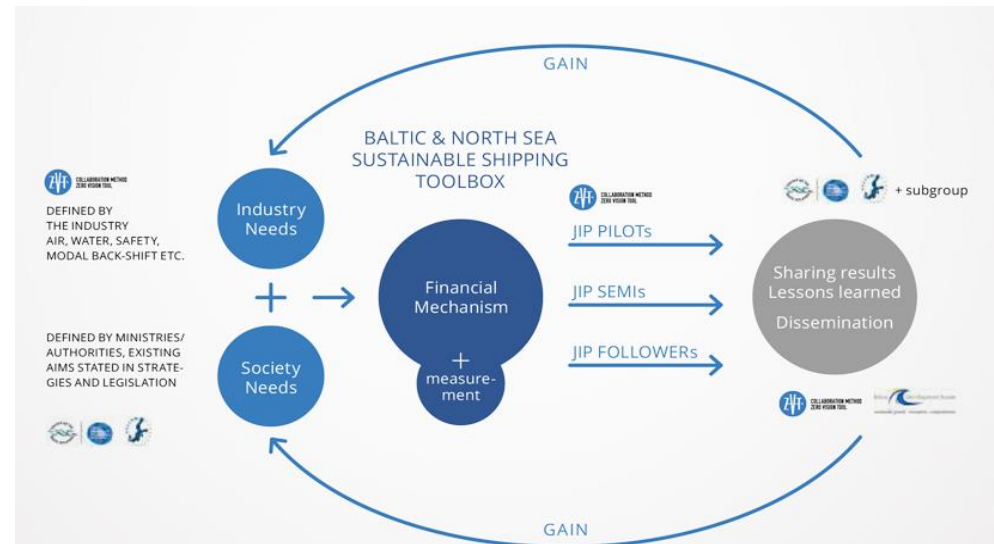


# NEXT STEP

Society need; to speed up more use of shipping and the transition to a shipping sector with no negative impact in air nor water

Industry need; to accelerate green investments, make them bankable and increase competitiveness vs other modes of transports

Linking resource from FI availability from FI, & its pricing, and reductions of fees / dues to actual external benefit (to the climate, environment & society) and test ECA-Bonus as a possible tool for modal shift



# THANK YOU

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