



Day 1 – 16th of December – Clean Shipping Technology

Creation of transparency and perspectives of existing technological options

During a group activity insights from the overview earlier in the day was discussed and a discussion also started regarding expected output and which areas of interest and for whom they were directed. This resulted in a list of a number of actions – these actions have been compiled in the material below. There is no order of priority in the actions below.

Action	Purpose	Contents	Comments
Create inventory of technology	Get overview of current and future technology	“Clean Shipping Wiki” Rank technology (with pro:s and con:s) List of best practice and experiences, implementations Invite companies to provide technological solutions Consequences of different implementation scenarios cost/environment/economy	Use literature, websites, networking Inventory should include the whole supply chain
Create overview of legislation	Get overview of current and future legislation	The different current and future safety regulations regarding LNG and legislation in general in the different countries around the North Sea Map legislation that currently are holding back necessary developments	
Identify target groups and appropriate approach	Focus on the most important areas	Create a list of ship-owners, ports, technical suppliers, companies, policy makers who are interested in the CNSS program. Create a list of eco-innovation initiatives by different NGO:s and legislators	
Combine the technologies to the Clean Shipping Index / Environmental Ship Index	Create inventory of drivers of eco-innovation (NOx fund, ESI, CSI)	Costs connected to these improvements	
Spread information	Get the stakeholders to act in line with purpose of project	Website Brochure Talk with local media	Show health issues Show current existing information to public



			Show society benefit in investing in environmentally adapted shipping solutions Prepare information for policy makers
Create graphic platform	Uniform platform towards stakeholders – make an impression on stakeholders	Standard PPT-presentation Guidelines on how to talk to the local media	
Create website	Reach out to ship-owners, technical suppliers, authorities (ports, EPAs), policy makers, the general public, scientists, the general public, media, IMO Show the way to zero emissions	Statistics, trends and recommendations for OPS and LNG. Purpose of project. Overview of legislation. Overview of technology. Advertising tool for technical providers Exceltab with exhaust treatment costs related to increasing fuel consumption/costs Possibility to connect through Linked In	Build a logical information structure User friendly website Check expectations/wishes from ship-owners and companies Ideas reg web site could be collected through the internal CNSS website and agreed on internally
Create brochure	A multi-purpose brochure aimed at the different stakeholders (see above) to show the way towards zero emission ships	Brochure of 5 pages: -existing technology -future technology -show benefits of the technological solutions -economic benefits -environmental benefits	High quality Logical structure and content of brochure
Meeting with ship-owners	Get the ship-owners to act in line with purpose of project	High level conferences, during which WP4 has a side-conference/meeting, invite, show results Invite policy makers in the Eu parliament IMP-participants – give feedback	Focus: zero emission shipping