

## Work Package description

Work Package number	WP5	Type of activity	Pilot Projects
Work Package title	Workgroups and Pilots	Start month	1
Lead beneficiary number	1	End month	36

### Aim/Object

Descriptions and use in the project of finalised technical pilots, made by the different partners

### Description of work package activities and role of partners

**Pilot project 1:** P1 together with AP10, AP12, AP13 and AP16 will elaborate how Bio-CNG logistics can be organized from the biogas plant to port vehicles in the Port of Trelleborg. All technical, logistical, legal, safety, environmental, permission and financial matters will be discussed and be made available for concrete planning

**Pilot project 2:** P18 Port of Klaipeda will elaborate how local small scale LNG logistics to ships at docks in the port of Klaipeda can be organized from a large LNG import terminal. All technical, logistical, legal, safety, environmental, permission and financial matters will be made available for concrete planning. The deliverable of the pilot will be a technical and financial investment plan.

**Pilot project 4:** P11 Port of Rostock. Study of LNG terminal for fuelling of ferries and large scale cruise ships.

**Pilot project 5:** P3 Environmental Port Index. All work regarding environmentally differentiated port dues should be accompanied by the development of an Environmental Port Index. The ports of Stockholm will lead the development of such an environmental port index. This port index will be elaborated in WG 1 together with other interested ports.

**Pilot project 6:** P23 Shore side electricity for large size ferries. The Port of Oslo in close cooperation with Color Line will elaborate a pilot case how shore side electricity could be established for such large vessels with their huge power demand. The development will be done in consent with the Port of Kiel. Representatives of the Port of Kiel will be invited.

### All work in the project is carried out in the following Working Groups (WG):

**WG1: Differentiated port dues.** A best practice model will be elaborated.

**WG2: Irregular traffic** (especially cruise ships): the members will discuss the delivery of sewage to ports over supplying ships with electricity to the shore and/ or with LNG up a voluntary ban of waste water discharges (BSSSC five point action plan).

**WG3 regular traffic (especially ferries and Ro-Ro ships):** same as in WG2, but for Ferries and Ro-Ro ships.

**WG4 LNG logistics:** Elaboration of solutions, how LNG fuel logistics can be organised, whether with tankers to small-scale LNG terminals or by truck or barge.

Partners	
Participant number	Participant name
1	Port of Trelleborg
3	Ports of Stockholm
4	Port of Helsinki
5	Port of Turku
7	Port of Tallinn
8	Port of Kalundborg
11	Port of Rostock
18	Port of Klaipeda
20	Klaipeda Science and Technology Park
23	Port of Oslo
AP 10	EON Sweden
AP 12	Nordic LNG
AP 13	Scandlines AB
SP 09	Aida Cruises

List of deliverables				
Task no	Title	Partner no	Delivery date (MS)	Participants
WG 1	Differentiated port dues	P3	5	All ports
WG 2	Irregular traffic	P1, P4	5	All ports
WG 3	Regular traffic	P1, P4	5	All ports
WG 4	LNG logistics	P20	5	All ports
Pilot1	Natural and Biogas	P1, AP10, AP12, AP13, AP16	5	
Pilot 2	Small scale LNG logistics	P18	5	
Pilot 4	Feasibility study LNG and onshore power supply	P11	5	
Pilot 5	Environmental Port Index	P3	5	All ports
Pilot 6	Shoreside electricity	P23	5	

Coordination / information exchange
Innoship
Clean North Sea Shipping
Northern European LNG infrastructure project
Scandria
TransBaltic
Amber Coast Logistics