Green shipping by deploying WASP solutions. Interreg 5B, North Sea Region, [click here for eligible region]: Priority Eco innovation

SO: 1 Promote the development and adoption of products, services and processes to accelerate greening of the North Sea Region economy.

**WASP’s: 2019**

**2020**

**2021**

**2022**

**Rationale:** Wind Assisted Ship Propulsion, *(WASP)* experiments have potentials to reduce fuel consumption with 5 to 25% and is an potentially emerging after sales market. Some experiments are running and start-ups are in preparation. For a market adoption third party validation and proven concepts are needed to enable a viable business. The WASP’s project aims at connecting new and existing WASP real life trials, creating more credible data and preconditions leading to a market penetration of WASP solutions, thus greening NSR economy. *(Quick win is possible, WASP’s can be installed on existing vessels in operation, [click here for examples].)* Lead Beneficiary: Netherlands Maritime Technology trade association, [click here].

**WP 3: Engineering WASP solutions**

*WP leader:*

1. Engineering related to real life trials.
2. Validate performance predictions

**WP 4: Safe operation**

*WP Leader:*

1. Training, curricula.
2. Certification, legislation, safety.

**WP 5: Viable business**

*WP Leader:*

2. Incentivising WASP’s, IMO, EC policy, ECA’s, manage split incentives.

**WP 6: Real Life Trials WASP’s (solutions)**

*WP Leader:*

- Install and pilot X WASP’s on different ships in operation in different conditions.
- Include existing Real Life Trials, [like click here].
- Suction wing, [click here], turbosails
- Flettner rotors, [click here].
- Dyna rigg, [click here].
- Rigid wings
- ?

**WP 2: Mainstream, disseminate, adopt proven, validated concepts.**

1. Market demand.
2. Transfer of solutions.
3. Support early adopters of WASP’s.
4. Expert centre WASP’s.

Spin off; 100 new WASP’s installed in operation in 2022 saving 15% Sox, Nox, CO2 emissions.

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Looking for partners that are able to set up, (or cooperate in), a real life WASP trial in 2019 – 2022 on a merchant or passenger ship.
50% subsidy (about 7% of them are shared costs) for pilot costs, depreciation, research, equipment, development, dissemination etc. These can be match funded with national subsidies.

Lead Beneficiary is: [Netherlands Maritime Technology trade association, click here](https://example.com).

**Partners sought in the NSR region click here:**

1. **Economy, SMES**
   a. Shipowners that will install WAP’s
   b. SMES producing selling WASP’s

2. **Education**
   a. Engineers
   b. Universities

3. **Government**
   a. Provinces
   b. Municipalities
   c. Ports

4. **Civil society**
   a. Associations
   b. NGO’s

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