

Project proposal to the industry program Sustainable shipping

Conditions

The industry program "Sustainable shipping" is carried out through research and innovation which is carried out in different project types: feasibility studies, research projects and innovation projects.

Pre-studies/ Feasibility studies are shorter projects that deepen and/or concretize important and/or unresearched questions with the aim of analyzing and identifying needs for research and/or innovation. A preliminary study can also conclude that no further study is needed, if, for example, the area turns out to be less fruitful or if it is discovered that the knowledge in the area is sufficient. For pre-studies, the total co-financing should be > 30%.

Research projects conducted within the industry program are longer projects where mainly universities and institutes are conducting the work, which means that the projects are primarily staffed by doctoral students, post-docs, researchers and experts within the organisations. However, close cooperation and cooperation with both business and public actors is a prerequisite to ensure both the industrial and societal relevance of the projects. For research projects of a more technical nature, this project type is geared towards the lower levels of the TRL scale. For research projects, the ambition is 10-15% co-financing.

Innovation projects within the industry program aim to develop and switch up research and innovations in an industrial context. The innovation projects thus constitute an important bridge so that knowledge and solutions generated, both within and outside the industry programme, can be tested, verified or demonstrated in a real environment. This enables research and innovations to be used and contribute to the sustainable development of shipping. Unlike the research projects, the innovation projects are focused on the higher levels of the TRL scale (up to and including TRL 7). For innovation projects, the total co-financing should be > 50%.

- To be operated and presented in the name of *Hållbar sjöfart/ Sustainable shipping*.
- Must include at least two implementing parties (universities or institutes) as well as at least two business and/or public actors.
- Must be high-quality research and/or innovation with relevance to shipping's pursuit of increased social, environmental and/or economic sustainability.
- Must clearly address one or more of the sustainability criteria.
- To be reported in writing at the end of the project and presented at *Hållbar sjöfart's/ Sustainable shipping's* annual conference.

Pre-studies - basic requirements:

- The pre-study must provide a clear and concrete result that is beneficial to the program's operations and partners in the form of a larger project, program or larger application.
- The pre-study must be co-financed by another actor or actors other than the Swedish Transport Administration; funding can be through in-kind or cash funds.
- The pre-study must be reported in writing and, where appropriate, in other ways such as verbally, prototype, demonstrator, etc

Pre-studies - assessment criteria:

- How the pre-study contributes to increased social, environmental and/or economic sustainability.
- How the pre-study contributes to increased triple helix collaboration within the shipping sector and to engaging new players in *Hållbar sjöfart/ Sustainable Shipping*.
- How the preliminary study contributes to strengthened research and development competence.
- How the pre-study contributes to applicable knowledge and concrete benefit.

- Degree of co-financing from actors other than the Swedish Transport Administration and co-financing from industry.

Research projects - basic requirements:

- The research project must develop new knowledge in an area with a great need for knowledge, high industrial and societal potential and in line with the *Hållbar sjöfart/ Sustainable Shipping* vision.
- Research projects are reported through annual project reporting, scientific and popular science publications and in various relevant internal and external contexts.

Research projects - assessment criteria:

- If the research project is a continuation of a preliminary study carried out within *Hållbar sjöfart/ Sustainable Shipping*.
- How the research project contributes to increased social, environmental and/or economic sustainability.
- How the research project contributes to increased triple helix collaboration within the shipping sector and to engaging new players in *Hållbar sjöfart/ Sustainable Shipping*.
- How the research project contributes to strengthened research and development competence.
- How the research project contributes to applicable knowledge and concrete benefit.
- How results are intended to be disseminated and utilized by industry and other actors outside academia.
- Degree of co-financing from actors other than the Swedish Transport Administration and co-financing from industry.

Innovation projects – requirements:

- The innovation project must be carried out in an area with high industrial and social potential and in line with the vision of *Hållbar sjöfart/ Sustainable Shipping*.
- The innovation project is reported through annual project reporting, as well as in various relevant internal and external contexts. •
- The innovation project must be co-financed by an actor or actors other than the Swedish Transport Administration; funding can be through in-kind or cash funds.

Innovation projects - assessment criteria:

- If the innovation project is a continuation of a preliminary study or research project carried out within *Hållbar sjöfart/ Sustainable Shipping*.
- How the innovation project contributes to increased social, environmental and/or economic sustainability.
- How the innovation project contributes to increased triple helix collaboration within the shipping sector and to engaging new players in *Hållbar sjöfart/ Sustainable Shipping*.
- How the innovation project contributes to strengthened research and development competence.
- How the innovation project contributes to applicable knowledge and concrete benefit.
- How results are intended to be disseminated and utilized by industry and other actors outside academia.
- Degree of co-financing from actors other than the Swedish Transport Administration and co-financing from industry.
- Forecast on turnover of invested funds.