

FACT SHEET

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Sustainable urban freight transport with autonomous zero-emission vessels

Interreg
North Sea Region
AVATAR

European Regional Development Fund



EUROPEAN UNION

AVATAR Decision Tree

The goal of the AVATAR Decision Tree is to inspire people thinking about the option of (highly) autonomous sailing and city freight distribution, presenting it in an accessible, informative and easy way. Decision takers should be aware of the steps they should consider. "If you want to introduce the concept, did you think about these topics?" -> This is a typical question the Decision Tree highlights. Based on various input documents such as the market study for selected use cases, SWOT/PESTEL, Economic assessment and testing, a Decision Tree is developed.

In Excel a decision support model has been created that can be applied to 3 types of stakeholders: owner of the vessel(s), private company that takes decision about type of transport (decision taker; e.g. logistics service provider) and a city (striving for (highly) autonomous sailing in the city). On the basis of a scoring system, each stakeholder will be advised about some research questions. The Excel decision support model has also been translated in a visualized concept.

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AVATAR project

The AVATAR project aims to tackle challenges of city freight distribution by developing, testing and assessing adequate technologies and business models for urban (highly) autonomous zero-emission Inland waterway transport (IWT) solutions.

