

A wide banner image showing a turbulent blue sea with white-capped waves under a pale sky. In the distance, a series of vertical poles or masts are visible on the horizon.

Challenging wind and waves

Linking hydrodynamic research to the maritime industry

Task H7: Qualitative analysis for HNS risks

The BE AWARE logo is positioned in the bottom left. It features a solid orange square to the left of the words "BE" and "AWARE" stacked vertically in a large, bold, orange, sans-serif font.

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Bonn Agreement
Accord de Bonn

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Objective:

- Qualitative analysis of hot-spot areas with respect to the risk caused by ships carrying HNS;
- Identify possible methodologies for future quantitative risk assessments;
- Recommend facilitations of future research

Methodology:

1. Analyse statistics related to HNS spills The statistics will be used to give an overview of the frequency of HNS spills.
2. Make an inventory of all HNS types which are transported in the Bonn Agreement waters and bring all these types into a small amount of groups. Based on the analysis of HNS transports an overview can be given of the main transport routes for the different groups of HNS.
3. Combine the overview with shipping accident frequencies as identified in task H. This will lead to a qualitative assessment to identify hot spot areas.
4. The frequency calculations will not actually be performed. A description will be given of how this could be done in a later stage.

Progress:

- Collection data regarding the cargo and the spills has been done in combination with the other data collections
- Some accident/spill data has been analysed

Next steps:

When traffic database and the cargo data is available the main transport routes of HNS will be determined.