

Enhancing HNS preparedness through training and exercising



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More than 2,000

Around 126 ship-source HNS incidents over 10 m³ were reported in the period from 1998 to 2013 (Cedre).

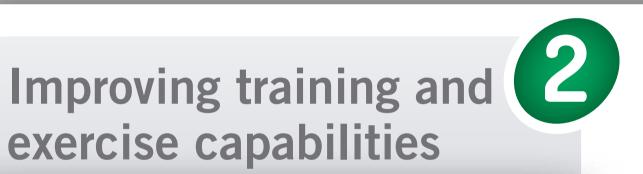
Due to their great complexity and variety, HNS preparedness and response is less well defined than that for oil spills.

types of Hazardous and Noxious Substances (HNS) are regularly transported by sea (IMO).

Mariner Goal

Improve planning, preparedness and response to HNS spills in Europe by:

Capitalizing and translating relevant HNS R&D outcomes into operational resources applicable by planners and responders



Upgrading and/or improving tools to

exercise capabilities



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Mariner Key Outcomes

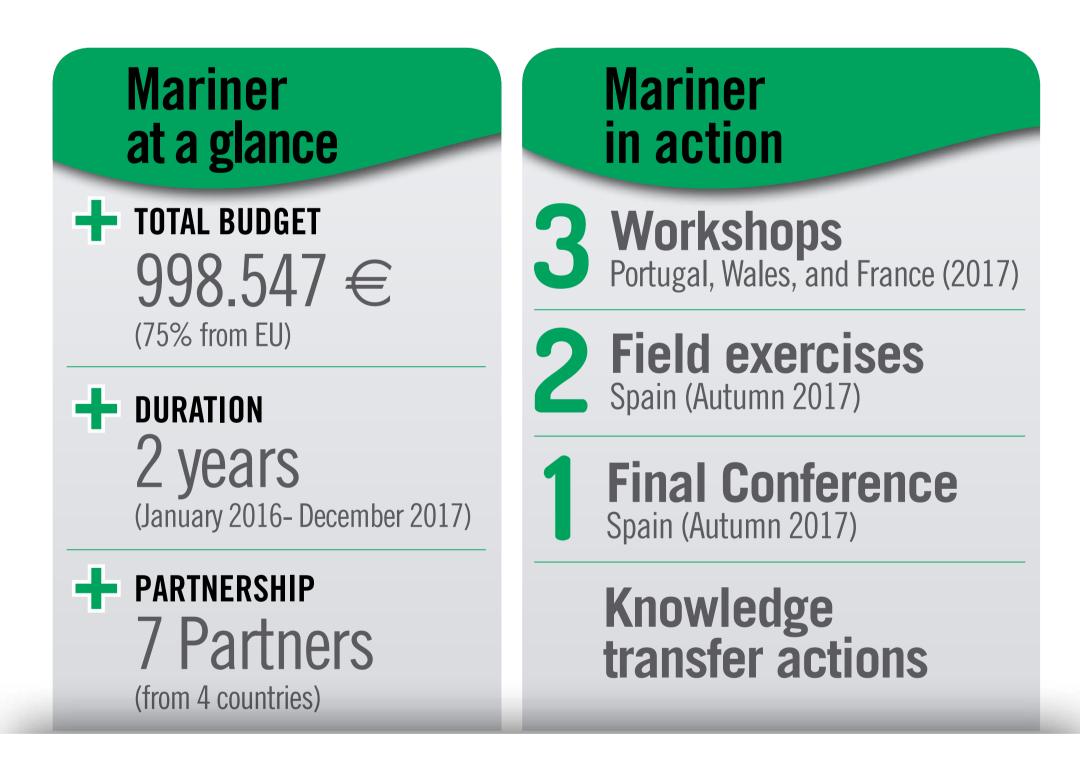
Knowledge compilation and facilitation

- Online user-friendly knowledge tool gathering relevant information on HNS preparedness and response.
- Transfer actions to assist end users on the implementation of selected knowledge/tools into their operational procedures.

Modelling and environmental impact

support decision making and response

Increasing awareness and encouraging information exchange



- Upgraded HNS spill model integrated into a Common Operating Picture.
- Cross border guidelines for HNS environmental impact assessment.

Response protocols

- HNS response protocols.
- •4 exercises to test the protocols.
- Video on training.

Training

- Web based database exercise tool, as well as E-learning materials on exercises and risk assessment to assist users on the functioning of the tool.
- Training package on HNS spill management.
- Training package on HNS modelling.







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