The Baltic is a sensitive sea area. Let's keep it clean and safe!

Traffic density in the Baltic Sea is among the highest in the world. At any given time, more than 2000 vessels larger than 50 meters navigate in the area. Increasing number and size of vessels require stakeholders to work together to increase safety and efficiency, decrease risk and fuel consumption, and maximise environmental benefits. FAMOS, STM Validation and WINMOS II projects work together to accomplish these targets.

FAMOS, STM Validation and WINMOS II work together to improve maritime safety and efficiency in the Baltic Sea e.g. by collecting up to date nautical chart information, ship to ship route exchange and route recommendations also during icebreaking season between ships and icebreakers, port call synchronization and developing the winter navigation system components. Detailed information is essential for safer and shorter routes around the year which saves time, fuel and emissions.

For more information:

FAMOS - Finalising Surveys for the Baltic Motorways of the Sea

www.famosproject.eu

STM Validation - Sea Traffic Management Validation

www.stmvalidation.eu

WINMOS II - Winter Navigation Motorways of the Sea II

www.winmos.eu

# Together for safer and more efficient shipping in the Baltic Sea

Get Knowledge.

Share Knowledge.

Use Knowledge.

EU STRATEGY FOR THE BALTIC SEA REGION
FLAGSHIP

HELCOM

FAMOS

For future navigation in the Motorways of the Baltic Sea and beyond

FAMOS contributes to potentially significant reduction of fuel cost and emissions in the Baltic Sea. The collection of accurate bathymetry data in waters used for commercial shipping can be used to re-evaluate preferred routes. In shallow areas such as the Baltic Sea, there is enormous potential in navigation of vessels with better Under Keel Clearance (UKC) awareness. Improvement in such knowledge could, without compromising safety, lead to allowance of slightly deeper drafts. That would lead to economic and environmental benefits since less fuel is consumed. Navigating with UKC awareness may also encourage ships to travel in deeper waters where the vessels are less affected by fuel consumption increasing effects like squat.
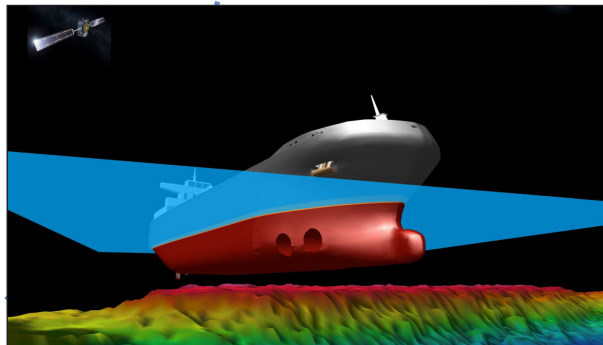
STM Validation

Information sharing - Creating a safer and more efficient maritime sector

Sea Traffic Management connects and updates the maritime world in real time, with efficient information exchange. Through data exchange among selected parties such as ships, service providers and shipping companies, STM is creating a new paradigm for maritime information sharing offering digital infrastructure for shipping. STM services allow personnel on-board and on shore to make decisions based on real-time information. These services enable more just-in-time arrivals, right steaming, reduced administrative burden and decreased risk related to human factors. STM reduces risks and makes the maritime transport chain more efficient. All maritime actors will benefit.
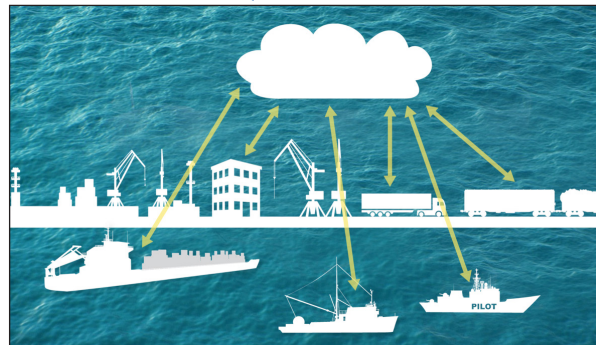
WINMOS II

Long-term measurements for safe, efficient and environmentally friendly icebreaking

The Baltic Sea's northernmost waters are covered by sea ice every winter, affecting the smooth maritime transport in the area. During normal and hard winters, a high number of vessels are frequently delayed due to ice conditions. Modern logistic standards require predictability in the transport system and the increasing number and size of vessels navigating in the Baltic Sea and new regulations for protection of the environment are impacting the winter navigation system's design and capacity. WINMOS II tackles these issues e.g. by life extension works on existing fleet, creating new environmentally friendly solutions, planning a training course and building new capacity.