

# INTEGRATION OF DAIMON IN AMUCAD

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[www.amucad.org](http://www.amucad.org)

Based on the already existing visualization techniques for complex spatial data related to ammunition AMUCAD was chosen to provide the visual access to DAIMON via its interface. AMUCAD (the Ammunition Cadastre Sea) itself is a project developed by EGEOS GmbH which deals with the acquisition, management and analysis of ammunition related datasets for the North and Baltic Sea. Therefore, large amounts of historical and modern datasets are acquired and integrated into the system and new technologies are used for analysing and connecting these datasets. For the integration of DAIMON multiple steps had to be carried out including access to project related datasets and implementation of developed approaches:

- definition of functionality for interacting with DAIMON from inside of AMUCAD
- visual design of a user-friendly and user-experience centered interface including specialised requirements
- programming of planned functionalities and user interface
- testing and user rounds for incorporation of direct feedback
- development of an interactive online tutorial to provide an easy introduction into the functionality and interface of DAIMON

The actual status of the implementation provides already more than 90% of all measured datasets and planned functionalities of the final state. It provides an excellent starting point for the planned extension of DAIMON to include new useful functionalities and transform the prototype into a long lasting and user-friendly application.

## Finding objects

Different kind of finding objects related to ammunition in the sea exists in the system: ammunition objects, sediments, fishes, mussels and water sample. This objects are categorized regarding their risk levels for humans and the environment.



## Decision support report

After insertion of a new finding an extensive report will be automatically created including information about risks, proposed measures, included datasets, nearby infrastructure and information about available historic data of AMUCAD for this area.



## Expert management

For determination of risks for different protection goods a specific interface was built. This enables an easy integration of expert judgements and validation of relevant datasets. Potential measures can be defined regarding the handling with ammunition or other related findings.

