



Input from Denmark to the proposed agenda item: “Integrated Search & Rescue drift modelling”





Initial user requirements

- IAMSAR Standards and recommendations must be followed/reflected
- Documentation – the tool must be documented in details
- Cross sectoral cooperation
- Cross border cooperation
- Expert Group



Operational user requirements

- The interface (GUI) must be simple and user friendly
- The interface must be connected to database from where you can pick all types of floating objects
- The interface should allow the user to choose between the recognized object drift simulations (Monte Carlo method or IAMSAR)
- The user should be able to choose the source from where the MET data origins
- The interface must be highly adaptable to local input – LOCAL wind and current etc. must overrule data from centralized systems
- Sea chart – With S57 charts the system can calculate where an object will ground and do not calculate drift over land which will enhance the Probability of containment (POC)
- Search Patterns – IAMSAR recommended Search Patterns must be calculated based on user input ex. The different assets speed, heights etc. and displayed in the SEG or exported to other systems



Technical user requirements

- Export – the system should be able to export the result to other system than SEG ex. National systems
- The system should be able to generate a report that can be exported to other systems ex. National report and journal systems

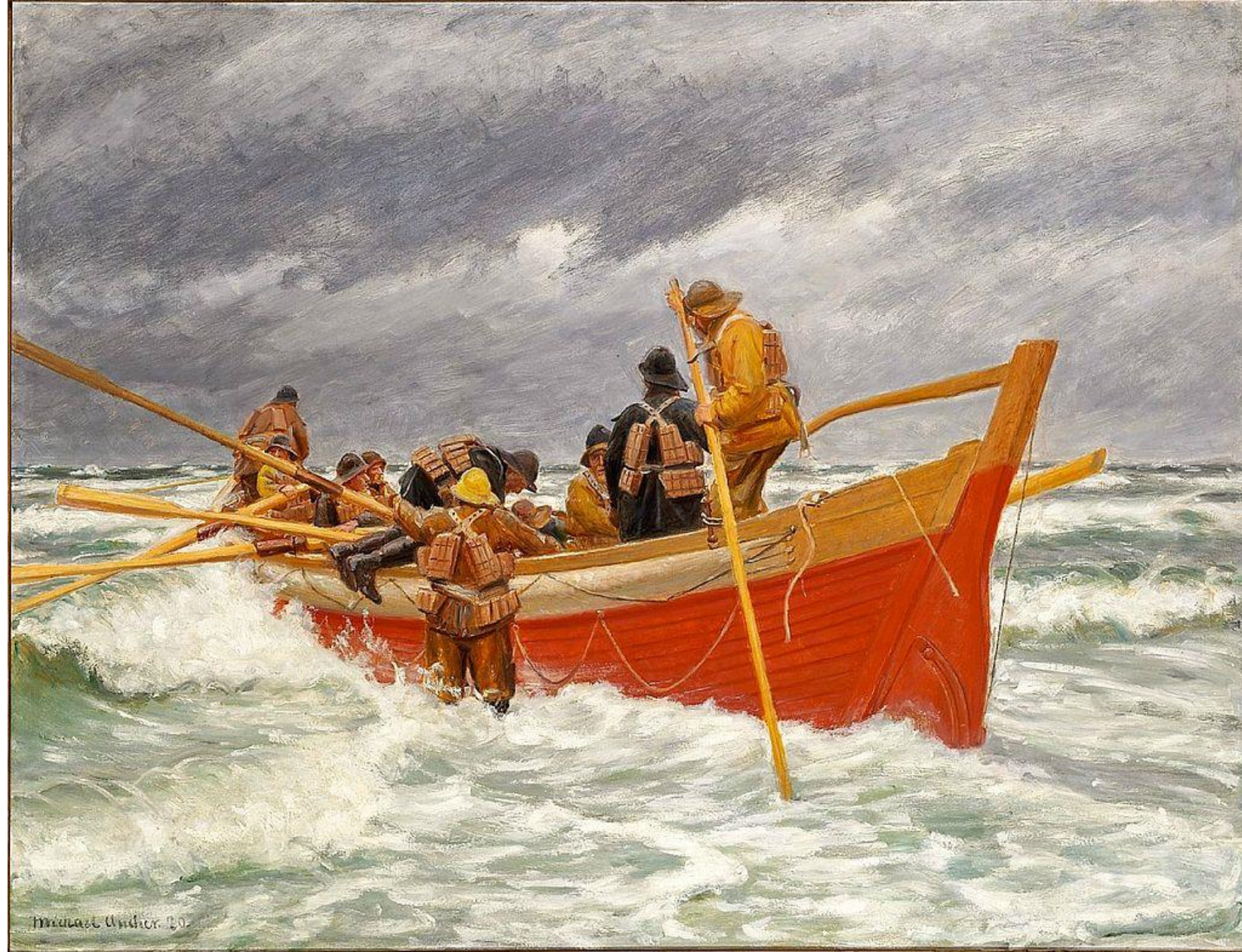


Way Ahead

- The solution mentioned in the meeting document with an external model for the calculations and the result returned and displayed in the SEG.
- future scopes:
 - Support to Navigational safety – floating containers, floating wrecks etc.
 - Support to environmental protection operations
 - Support to customs operations and investigations
 - Support to maritime security operations
 - Support to other Authorities and operations within the scope of the IMS systems



Questions



“The red SAR boat leaves shore”.
Painted in 1920 by
Michael Ancher