



OCIANA® – Introducing Advanced Vessel Identity Capabilities designed to revolutionize Maritime Risk Management

OCIANA's [Advanced Vessel Identity \(AVI\) Toolkit](#) provides tools for integrity analysis of vessels utilizing live data and trained machine learning models

Key Components

Dashboard Interface

- robust computation and inference, provides users with real-time access to AVI predictions for over 60K+ vessels
- intuitive user interface to explore detailed analyses of vessel identity, specifications, status, and trajectory

Main Map

- global map displaying vessels color-coded based on AVI Score to indicate risk level
- enables users to search for vessels using MMSI numbers
- incorporates several layers to visualize different Areas of Interest (AOIs), fishing zones, and economic zones with user options to activate or deactivate these layers

AOI Report Window

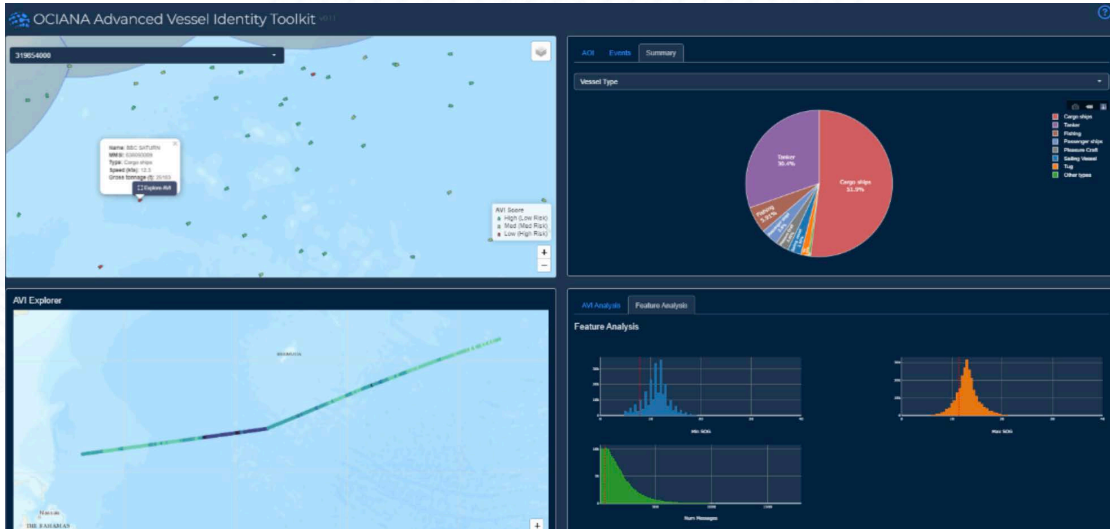
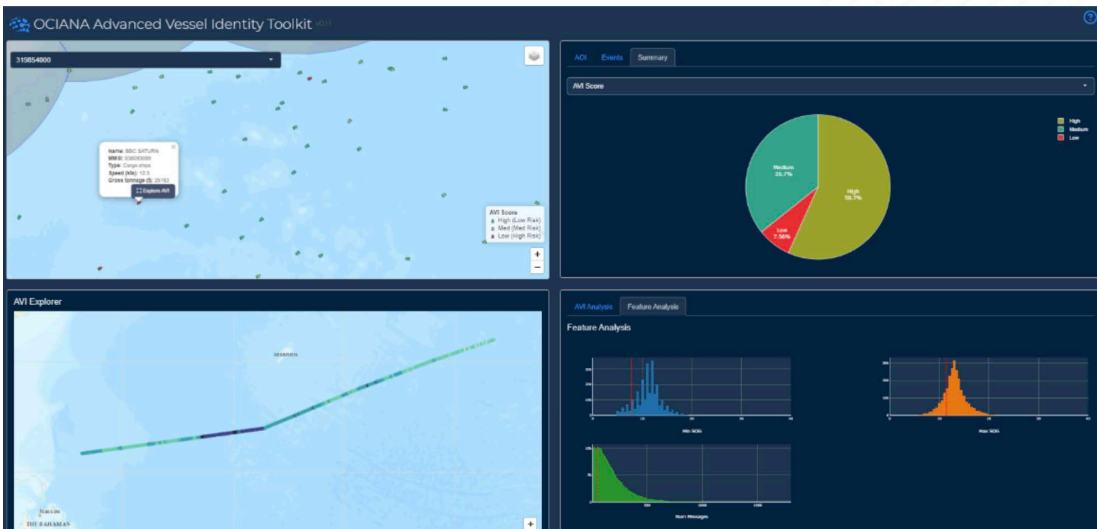
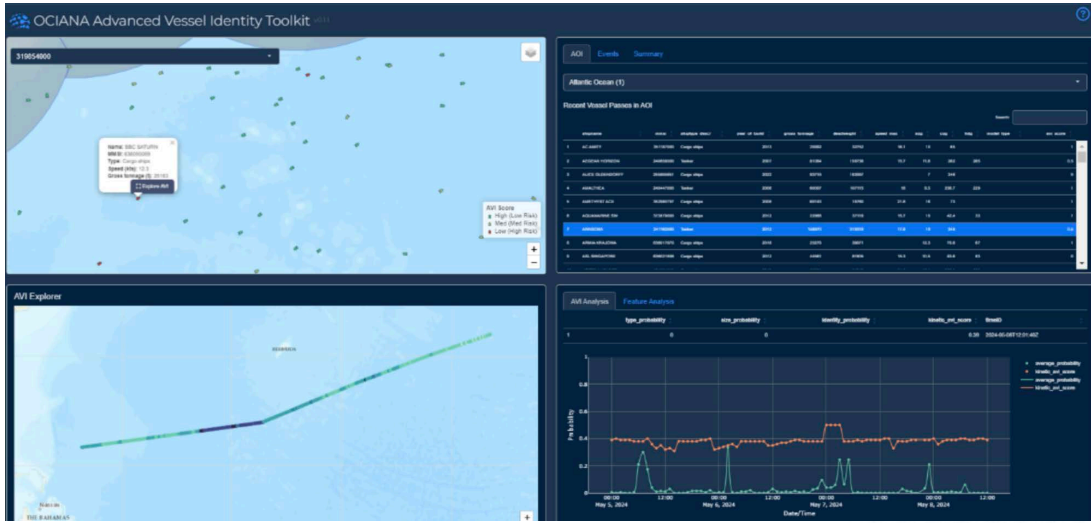
- AVI results and data bounded to a selected AOI (Area of Interest) with essential information related to vessels, AVI events (pertinent occurrences that warrant attention) along with overall vessel type and integrity distribution within the selected AOI

AVI Explorer

- Features a smaller subset of the map allowing users to track the recent location of specific vessels and their corresponding AVI properties
- offers a more focused view enabling users to monitor vessel movements and related AVI data with precision

Vessel Report Window

- This section is dedicated to presenting averaged (over 2 or 3 classifiers) probabilities and Kinetic AVI Score trends over time, coupled with another tab to analyze major input features behaviour



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