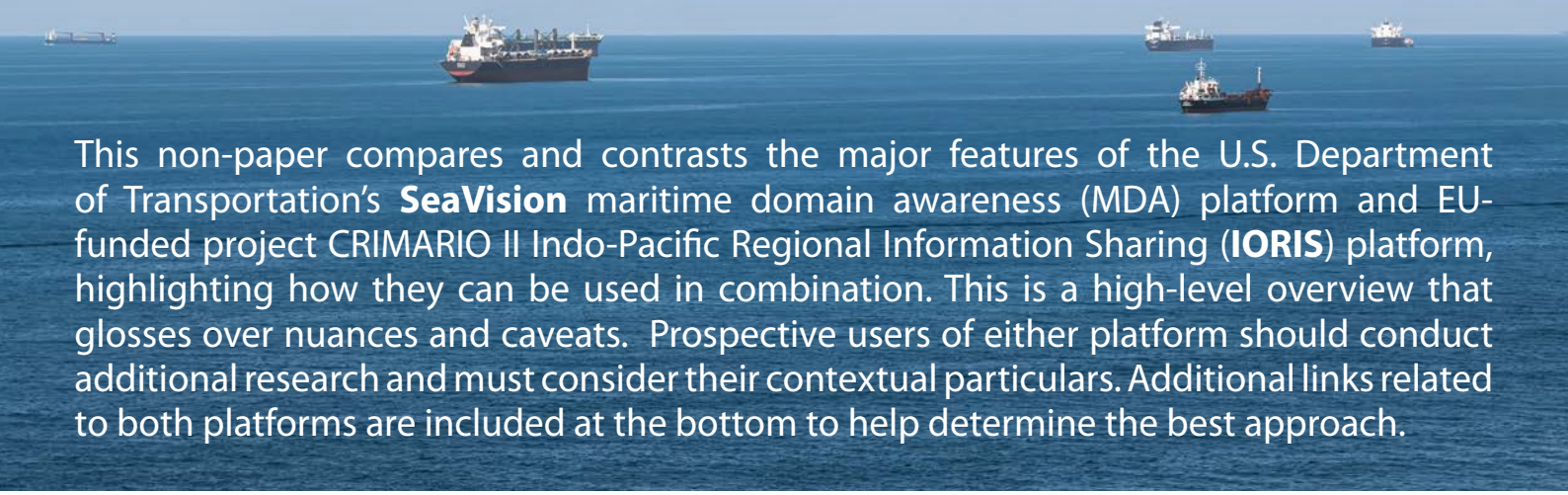
The SeaVision and IORIS Platforms: Working in Complementarity



This non-paper compares and contrasts the major features of the U.S. Department of Transportation's **SeaVision** maritime domain awareness (MDA) platform and EU-funded project CRIMARIO II Indo-Pacific Regional Information Sharing (**IORIS**) platform, highlighting how they can be used in combination. This is a high-level overview that glosses over nuances and caveats. Prospective users of either platform should conduct additional research and must consider their contextual particulars. Additional links related to both platforms are included at the bottom to help determine the best approach.

	SEAVISION	IORIS
Overview	A web-based maritime domain awareness tool that enables users to view, analyze, and share a broad array of maritime information that also allows easy communications for collaboration and planning operations	A web-based communications tool that provides command and control functions to plan and coordinate maritime operations with the infusion of minimum satellite data
Use Case Strengths	Optimized for use as a shared common operating picture (COP) from any internet connected device; Real-time vessel and domain monitoring; maritime analysis	Coordination and communication for incident management through a dedicated COP with collaboration spaces and document preservation, including for legal finish
Features	Track fusion, visualization and mapping, analytic tools, historic tracks, alerts to phone or email, chat, file sharing, and a mobile version	Message, chat, notifications, VOIP, file-sharing/ archiving, and mapping functions
User / Collaboration Space Management	SeaVision Community Managers actively manage user roles in defined Communities and Portfolios	Any user is able to create Community Areas for sustained efforts or for an ad hoc basis
Costs to Users / Availability	None / Available globally to sponsored government users	None for low- and middle-income countries / Available to all countries in the Indo-Pacific
Data	Dependent on user Communities / Portfolios and associated data licenses. May include AIS, SAR, Radar, VIIRS, RF, Electro-Optical imagery, proprietary vessel data, user-provided. Skylight overlay	User-provided. Platform includes baseline AIS and other limited data sources for coordination of specific operations (not 24/7). Users may add any other data. Skylight overlay
User-Provided Data Protection	Data is only shared with others within agreed-upon designated Portfolios	Only users in Community Areas have access to information shared, which excludes CRIMARIO unless invited for mentoring purposes

VIGNETTE

A watchstander at a nation's maritime law enforcement agency operations center monitoring SeaVision receives an algorithm-generated alert that a tracked vessel may be engaged in fishing activity in a user-defined geographic area, in this case correlating with a no-take marine protected area.

The watchstander uses SeaVision to check the vessel's track history and determines that the vessel also likely performed a transhipment with another vessel.

Using SeaVision's chat function, the watchstander receives amplifying information, including photos and reports of past violations from partner nations.

The watchstander alerts their command, which calls POCs in the Ministry of Justice and the Ministry of Natural Resources, notifying them that they will begin coordinating a response via IORIS.

The watchfloor uses IORIS to create a Community Area dedicated to the incident, inviting their inter-governmental partners to it to exchange information and documents about the vessel and to communicate decisions regarding enforcement actions – permanently preserved for later review by the parties involved.

Decision-makers may then opt to exchange information with neighbouring countries using SeaVision or IORIS.

ADDITIONAL INFORMATION

SEAVISION
UNITED STATES DEPARTMENT OF TRANSPORTATION

https://info.seavision.volpe.dot.gov/

IORIS

https://www.crimario.eu/ioris-the-maritime-operational-coordination-communications-platform-for-the-indo-pacific/