



## PROBLEM STATEMENT DETAILS

<b>Problem Statement ID</b>	SIH1655
<b>Problem Statement Title</b>	Detecting oil spills at marine environment using Automatic Identification System (AIS) and satellite datasets
<b>Description</b>	The impact of oil spills at sea is multifaceted, affecting the environment, economy, public health, and society at large. Preventing spills through stringent regulations, improved technology, and better safety practices is crucial to mitigate these devastating effects. Automatic oil spill detection using Automatic Identification System (AIS) and satellite datasets is essential for environmental protection, public health and safety, economic stability, regulatory enforcement, technological advancement, and operational efficiency. This approach enables timely and effective responses to oil spills, mitigating their impact and promoting sustainable maritime practices. Integrating AIS and satellite datasets significantly enhances the early detection of oil spills at sea by combining real-time vessel tracking with advanced remote sensing capabilities.
<b>Organization</b>	Ministry of Earth Sciences
<b>Department</b>	Indian National Center
<b>Category</b>	Software
<b>Theme</b>	Smart Automation