This activity, lead by the Italian Ministry of Infrastructure and Transport (MIT) focuses on how to increase maritime safety in a variety of different ways by implementing services, based on available technology. Focus is on providing services to large passenger vessels but without modifying existing rules and regulations.

“We are not inventing anything new, rather we are looking at how existing technology and instruments can be put to work in our field in order to increase safety at sea and in ports.”

/Flavio Marangon, Unit Manager Mobility & Logistics of Transport Division – D’Appolonia a RINA Group Company, on behalf of the MIT.
“We make sure that the solutions meet regulations and make cost/benefit calculations to ensure that we deliver what the market truly wants and needs”, says Flavio Marangon.

Enhance Normal Operation
Italy and Spain

“We have implemented a Behaviour Based Safety system that performs an analysis of people performing their ordinary tasks. Based on the information that is gathered you can provide the individuals with guidelines to improve safety”, says Flavio.

New Integrated SAR System
Sweden

Currently there are a number of SAR systems of different brands on the market and information contained within these systems cannot be integrated. A new graphical interface will provide the SAR coordinator with all available information and the ability to communicate simultaneously with all parties.

“The idea is to provide the person who is coordinating the SAR operation with all available information on one screen. Clearly that will increase the probability of them making the right decisions. It will also facilitate the coordination of the vessels that are involved in the SAR operation. Instructions to all vessels involved in the operation can be written in a box on the screen and instantly shared with all”, says Flavio.

Indoor Positioning System
Italy

The project is working on an indoor positioning system that will provide information about the exact location of the people who are on board vessels. Initially the system will be implemented for the crew, later it may be extended to also cover the passengers.

Safe Evacuation at an Incline
Spain

“In case of an emergency during which the passengers need to be evacuated, a significant incline of the ship may cause the mechanical arm to malfunction and prevent the lifeboats from being lowered into the water.

“Together with our partners we are working on a system that will help the lifeboats to stay clear of the haul of the vessel and thus function properly”, says Flavio.

Cost Benefit Analysis
Italy

A cost benefit analysis is performed on the new services and they are also reviewed in order to verify that they are in compliance with existing rules and regulations.