

Benefits across the entire maritime logistics chain

Interview with **José Andrés Giménez Maldonado** of the Valenciaport Foundation



José Andrés Giménez Maldonado manages the analysis and evaluation of STM at Valenciaport Foundation from where activity 5 is being lead. Valenciaport Foundation is the innovation and training centre of Port of Valencia. It is a non-profit organisation that conducts most of its work through projects within the port logistics domain. The main focus is to improve port logistics in areas such as safety and energy, both port to ship and hinterland.

What does your activity do?

“Our part of STM is to analyse and evaluate the STM services that are being developed in the other activities. We demonstrate benefits in a quantitative way by providing tools to measure impact. Our team is very much connected to activities 1, 2 and 3, involved in the test beds and collecting data. We need to understand their needs and develop appropriate tools.”

What is the main objective of your activity and STM as a whole?

“Our main objective is to show the benefits and the different impacts STM may have across the entire maritime and port logistics chain. The impacts of STM are potentially wide reaching. There’s the economic impact from improved efficiency and improved maritime voyages. There’s the environmental impact from vessels travelling **optimal routes** thereby consuming less fuel and creating less pollution and green house emissions. Decreased emissions and shorter ship time in the port reduces pollution in the city in question, having a positive effect on the inhabitants.

Another important area of impact is **safety**. STM can enable increased situational awareness for the involved parties. When vessels know the surrounding vessels’ routes and in-

tentions, it reduces the risk of collisions considerably.”

What is the progress to date?

“Things are going good. We are working intensively with activities 1, 2 and 3 to understand their needs and expectations and define useful KPIs. It’s a very sensitive task as we need information that will be useful for the future of the project.

We’re underway with activities 1 and 2. We’ve also commenced with other sub activities for example training matters. We have started planning the legal, operational and formal safety that will start this summer. These activities cross all test-beds, giving us a holistic view of STM.”

What is your main challenge?

“Communicating effectively with all involved and understanding the different stakeholder needs is a challenge. Regulatory

bodies have different needs than other agents and bodies for example, and we need to be able to communicate the benefits of STM in the best way for each stakeholder group and their business.”

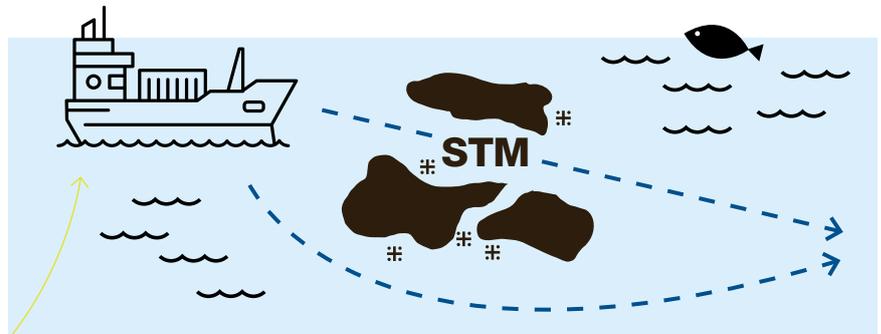
What do you see as STM’s main challenge?

“STM should be viewed by the maritime world as the main facilitator of the evolution of this strategic sector to a new era, based on information sharing and digital exchange.”

What is most fun?

“Working in such a complex project as STM can be challenging, but at the same time it is really fun being in contact with people in so many different geographical areas and in different parts of the maritime world, with different ways of thinking. This diversity provides us with new ways of looking at problems. After three years I’m getting to know people from the consortium and I enjoy the work camps and meetings. It moves you out of your comfort zone and you get new perspectives that can change your approach.” ●

Analysis & Evaluation in short: Analysis and Evaluation covers many of the future changes: business, socio-economic, risk, technological, legal and institutional. It will also consider competencies and training requirements for STM implementation. Reporting will be in line with the IMO and IALA test bed guidelines.



IMPROVED SAFETY WITH STM

Risk reduction rate	Flow management – flow optimisation	Flow management – enhanced monitoring	Dynamic Voyage Management – route exchange
Collisions	58%	5%	52%
Groundings	6%	64%	8%

FOR MORE INFORMATION, PLEASE CONTACT:

ULF SIWE, Communications Officer, Swedish Maritime Administration. • Telephone: +46 (0) 10478 5629 • ulf.siwe@sjofartsverket.se