



Stage #2

October 23, 2025



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www.safetour.massimilianolega.it

Science Tour
2024-2025

Situational Awareness for the Environment: see the unseen ... beyond perception

An international, multi-year scientific tour carried out through a series of events across the U.S. and Europe, hosted by top universities, research centers, cultural institutions, embassies, and consulates. Designed to explore how we perceive and respond to complex systems, the tour promotes a deeper understanding of the concept of situational awareness, with a particular focus on the environmental challenges our planet is facing and on the tools that allow us to push the boundaries of human perception. Focusing on urgent environmental challenges, such as pollution disasters, eco-crimes, floods, wildfires, earthquakes, coastal ecological crises the tour spotlights the power of technological innovation, interdisciplinary science, and situational awareness to support informed, data-driven decisions and foster sustainable solutions. By bridging diverse fields like environmental, forensic and aerospace engineering, and organic chemistry, the initiative reveals how collaboration across domains unlocks what remains invisible within individual disciplines. Real-world case studies and live demonstrations, such as drones with advanced sensors flying on-site, bring these concepts to life, inviting the audience to move from passive observation to actionable awareness.

This stage will be introduced and moderated by prof. Mercedes Ruiz, Director of Research and Innovation for SEA-EU, featuring an opening address by Prof. Massimiliano Lega, who will also lead an interactive session dedicated to advanced technologies and their practical applications. In the second part, Prof. Roberta Teta will present real-life examples, underscoring the power of interdisciplinarity in turning insight into action.

Beyond raising awareness, the tour seeks to create a space for collaboration, scouting expertise and fostering new connections among scientists, professionals, and institutional actors. It aims to define a new paradigm, a meeting point where the scientific community, industry, and public institutions converge to rethink how we monitor, understand, and respond to the world around us.

STAGE#2 main info



date:
October 23, 2025



time:
15:00



location:
University of Cádiz
Edificio Constitución 1812 - Aulario La Bomba
Bolivar Room
Paseo Carlos III, n°3
Cádiz - Spain
<https://maps.app.goo.gl/TnfM9sMVRHWt49RjZ>



website:
www.safetour.massimilianolega.it



Host Institution:
University of Cádiz
SEA-EU, The European University of the Seas

Speakers on stage



KeyNote Speaker

Massimiliano Lega, PhD
Professor
Dept. of Engineering
University of Naples Parthenope - Italy



Invited Speaker

Roberta Teta, PhD
Professor
Dept. of Pharmacy
University of Naples Federico II - Italy



Chair Speaker

Mercedes Ruiz, PhD
Professor
University of Cadiz - Spain
Director of Research and Innovation for SEA-EU
SEA-EU, The European University of the Seas