



Stage #1

September 4, 2025



for more infos
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, dedicated specifically to coastal environments and marine systems, will be introduced and moderated by Prof. William Gerwick, opening with a keynote by Prof. Massimiliano Lega, followed by an interactive session featuring advanced technologies and 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#1 main info

-  **date:**
September 4, 2025
-  **time:**
3:00 to 5:30 PM
-  **location:**
Sumner Auditorium - Scripps Institution of Oceanography
8625 Discovery Way, La Jolla, CA 92037, USA
-  **website:**
www.safetour.massimilianolega.it
-  **Host Institution:**
University of California San Diego
Scripps - Institution of Oceanography

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**

William Gerwick, PhD
 Distinguished Professor
 Scripps Institution of Oceanography and
 Skaggs School of Pharmacy and
 Pharmaceutical Sciences
 University of California at San Diego - USA