



Stage #5

NOVEMBER 4<sup>th</sup>, 2024



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Science Tour  
2024-2025

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

This tour is a multi-year initiative across the U.S. and Europe, hosted by top universities, research centers, cultural centers and embassies. The European events use Italian embassies as key hubs for connecting diverse audiences, sharing knowledge, and advancing technologies. Central to the initiative is situational awareness, a critical approach that integrates advanced technologies and interdisciplinary methods to drive informed, data-driven decision-making and foster sustainable solutions. Each event will explore the crucial distinction between knowledge and awareness, particularly in the context of environmental challenges. By defining "situational awareness," the discussion will delve into how we progress from merely understanding phenomena to fully recognizing the complexities of related situations. The event will highlight humanity's drive to enhance sensory perception, demonstrating how advanced technologies like remote sensing and environmental forensics enable us to "see the unseen" and make informed decisions. Through interdisciplinary approaches and real-world case studies, the talk will showcase the importance of integrating applied intelligence across various fields. The event will open with a keynote by Prof. Massimiliano Lega, featuring an interactive session, live demo, and practical applications. Following this, Prof. Roberta Teta will present on the importance of interdisciplinarity, highlighting a case study as one example among many that demonstrates how the integration of organic chemistry, engineering, and environmental forensic sciences can lead to impactful solutions. The second part will shift to practical applications, with the special guest Eng. Fabrizio Curcio (from the Italian Prime Minister's Structure) sharing real-life case studies from his experience leading Italian Civil Protection. He will provide insights on how situational awareness strengthens emergency preparedness and response. This stage will be introduced by Ambassador Giovanni Pugliese and moderated by Dr. Amedeo Staiano. Furthermore, Dr. Gabriele Redigonda, representing the European Space Policy Institute, will deliver the closing speech. The event extends beyond theoretical frameworks, providing multiple examples of advanced methodologies and technologies, demonstrated through live applications and real-world case studies, underscoring their practical efficacy in complex systems.

### STAGE#5 main info



**date:**  
November 4<sup>th</sup>, 2024



**time:**  
16:00 PM



**location:**  
Rennweg 27 - 1030 Wien



**website:**  
[www.safetour.massimilianolega.it](http://www.safetour.massimilianolega.it)



**Host Institution:**  
Ambasciata d'Italia a Vienna

### Permanent 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



**Special Guest**  
Speaker

**Fabrizio Curcio**  
former head of Italy's  
Department of Civil Protection - Italy