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 promote 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. Andrea Micangeli**, 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.
Moreover, this stage will be further enriched by the contribution of **Eng. Fabrizio Curcio**, currently serving as the Italian Government's Special Commissioner for the reconstruction of the flood-affected areas in Emilia-Romagna, Tuscany, and Marche. Drawing on his long-standing experience as former Head of the Italian Civil Protection Department, he will present additional real-world case studies, offering new perspectives on the use of "Situational Awareness" and highlighting how this approach enhances preparedness and emergency response.

Beyond raising awareness, the tour seeks to create a space for collaboration, scouting expertise and fostering new connections among researchers, 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 main info

date:
February 13th, 2026

time:
3:00 PM

location:
Sapienza University - Engineering Faculty
San Pietro in Vincoli,
Via Eudossiana 18, Rome (Italy)

website:
www.safetour.massimilianolega.it

Host Institution:
GCSP - Gran Challenges Scholar Program Network
Global Conference 2026

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
Italian Government's Special Commissioner
For the reconstruction of the flood-affected
Areas in Emilia-Romagna, Tuscany, and
Marche - Italy