

## A SUSTAINABLE BUILT ENVIRONMENT: EXPLORING CONCRETE INNOVATION

Event organized by DMAT in the framework of the  
2023 United Nations Climate Change Conference, COP 28, Dubai

**Date and time:** 5th of December 2023, 10.00 – 11.00

**Location:** Pavilion of Italy, Expo City Dubai, United Arab Emirates

### SPEAKERS

- **Paolo Sabatini – CEO & Co-founder – DMAT.** Paolo is the CEO of DMAT, an Italian based ground-breaking start-up revolutionizing the concrete industry founded. Inspired by ancient Roman practices, DMAT has pioneered a novel concrete formulation with self-healing capabilities, extended longevity, reduced embodied and operational carbon footprint, and no retrofitting costs. As co-founder and CEO, Paolo is driving the company's growth to make this innovative concrete the global standard for durable and sustainable building and infrastructure. DMAT has successfully developed and tested its technology through partnerships with leading concrete laboratories and is now actively working on its first construction projects. The future of more resilient and sustainable structures begins with DMAT's visionary leadership and cutting-edge solutions.
- **Admir Masic – Massachusetts Institute of Technology.** Professor Masic's research focuses on the science-enabled engineering of sustainable construction materials for large-scale infrastructure innovation. A chemist by training, with expertise in biomineralization, he specializes in the development of multifunctional cement-based materials, ranging from self-healing concrete materials to carbon absorbing concretes and electron conducting cement-based materials. He is a principal investigator in the Concrete Sustainability Hub at MIT, a faculty fellow in Archaeological Materials at MIT's Center for Materials Research in Archaeology and Ethnology (CMRAE), and the faculty director of the Refugee ACTION Hub (ReACT) at MIT. MIT ReACT aims at providing new professional content development for displaced learners around the world. Visit [react.mit.edu](https://react.mit.edu) to learn more.
- **Giovanni Massimo Bottini – President Cobaty International.** Giovanni Massimo is the President of Cobaty International, an international inter-professional association for constructions, urban planning and environment founded in France over 50 years ago. Cobaty International is present in Belgium, Burkina Faso, Lebanon, France, Italy, Morocco, Poland, Romania, Spain, Switzerland, Tunisia, and is officially recognized as an observer to the European Union. Giovanni is a fully licensed architect, born in 1959, and with a solid experience in design, management and consulting. Founder and owner of GMB Design, architecture studio since 1988, is now President, CEO and Partner of Systematica.

## **PROGRAM**

10.00 - 10.05

Greetings by Italian Delegation

10.05 - 10.10

Introduction by Paolo Sabatini, DMAT

10.10 - 10.25

From Roman inspired to electrified concrete: reinventing the most-used material on the planet  
Admir Masic, Massachusetts Institute of Technology

10.25 - 10.40

Architecture and sustainability: a global perspective  
Giovanni Massimo Bottini, Cobaty International

10.40 – 10.50

Concrete sustainability: DMAT holistic approach  
Paolo Sabatini, CEO & Co-founder of DMAT

10.50 – 11.00

Q&A