



BREATHING CULTURE

The SIMIACCI project newsletter



Empowering GLAMs to become the innovating leaders of indoor air quality management

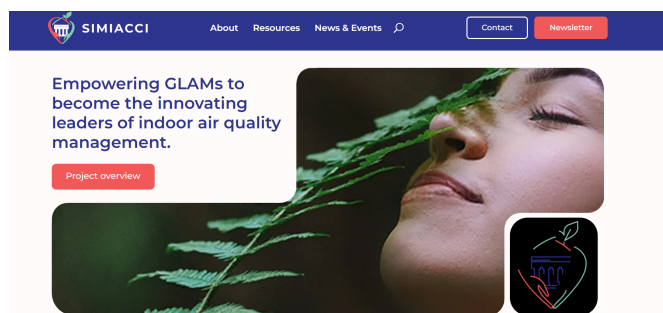


We are excited to officially announce the launch of the SIMIACCI project (Sustainable Intelligent Management of Indoor Air Quality for the Culture and Creative Industries), starting on January 1st, 2025, and running for the next four years.

This ambitious initiative, funded under the Horizon Europe program, aims to improve efficiency in indoor air quality control in Galleries, Libraries, Archives, and Museums (GLAMs) across Europe, enhancing the conservation of cultural heritage artifacts while reducing energy consumption.

The project successfully kicked off at Lisbon's National Coach Museum, with a fruitful two-day meeting organised by the research institute of Instituto Superior Técnico de Lisboa (IST ID), the project coordinator, on January 23-24. The event brought together 15 partners from all over Europe to discuss project goals, share insights and plan the roadmap for the next four years.

Find out more



Our website is now live!

We're excited to announce that the official SIMIACCI website is now online! Explore how we're working to monitor and improve air quality in Galleries, Libraries, Archives, and Museums (GLAMs) across Europe. Visit the site to learn more about our pilot cases, research updates, and how better indoor air can help preserve cultural heritage for future generations.

Check it out

What is SIMIACCI doing?



Empowering GLAMs in the Climate Transition

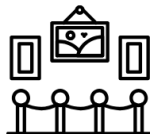
SIMIACCI puts Galleries, Libraries, Archives, and Museums (GLAMs) at the center of a socially and culturally sustainable climate transition.

Cutting-Edge Indoor Air Quality (IAQ) Solutions

- Using Metal-Organic Frameworks (MOFs), SIMIACCI enables:
- 30-50% energy savings while maintaining top IAQ standards
- Smarter, low-energy IAQ management
- Scalable solutions for Creative & Cultural Industries (CCIs)

Driving Economic & Industrial Innovation

SIMIACCI creates a new advanced materials value chain and ensures widespread technology adoption through tailored business models and capacity-building initiatives.



HOW?

Advanced Air Quality Control

Deploy efficient, reusable MOFs to regulate air quality while preserving valuable artefacts.

Smart Maintenance & User Adoption

Simplify upkeep with AI-driven predictive models and user-friendly training.

GLAMs' Climate Transition

Develop tailored business models for widespread adoption of SIMIACCI solutions.

Beyond GLAMs: Expanding the Impact

Create a new industrial value chain to bring IAQ innovation to sectors with high air quality standards.



Insights from our Portuguese pilot



Our first meeting brought together partners at the stunning **National Coach Museum**, hosted by our amazing partners at **Instituto Superior Técnico** and the museum itself.

During the visit, we had the privilege of exploring this Lisbon gem, where modern architecture beautifully showcases the historic carriages and clothing collections. We also got a behind-the-scenes look at the museum archives, learning how these cultural treasures are currently preserved—a perfect inspiration for our mission to revolutionize indoor air quality (IAQ) management for cultural heritage!

The museum counts one modern building and the royal riding hall. Each space presents unique challenges for air quality management, from temperature and humidity control to ventilation needs. By monitoring both, we aim to gain insights into how environmental factors impact these treasured collections. Stay tuned as we explore the findings from this fascinating site!



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