



SIMIACCI

Sustainable Intelligent Management of Indoor Air Quality for the Culture and Creative Industries



2025-2028



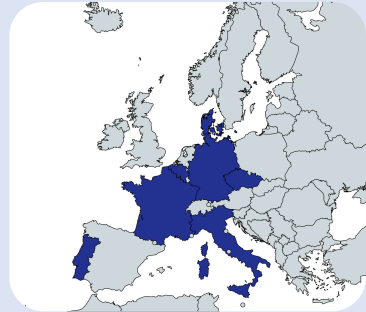
15 partners



7 countries



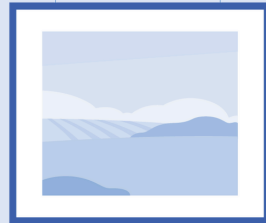
3.9M EU-funds



*Have a look
at our website*



*Follow us
on LinkedIn*



Learn more at www.simiacci.eu



Funded by
the European Union



PROJECT

Galleries, Libraries, Archives, and Museums (**GLAMs**) across Europe face a hidden challenge: maintaining optimal indoor air quality (**IAQ**) to protect cultural heritage artefacts while battling energy-intensive systems and environmental impact.

SIMIACCI is a groundbreaking Horizon Europe Innovation Action project designed to deliver cutting-edge, sustainable solutions that target harmful pollutants like **VOCs, NOx, H₂S**, and humidity, without compromising on conservation standards or climate goals.

INNOVATIONS



Innovative, efficient, reusable, and stable Metal-Organic Frameworks (MOFs) to capture noxious VOCs, H₂S and mitigating NOx in real scenarios.



AI-based predictive models and sensors to track and manage contaminant levels in real-time.



Modular systems that meet both technical and environmental needs for IAQ control.



New business models that combine SIMIACCI solutions.

EXPECTED IMPACTS

- **20 prototypes** developed
- Demonstrated in **6 GLAM partners**
- **Energy demand** reduced by **30-50%**
- Extended conservation time of cultural heritage artefacts
- **30,000 visitors** reached by SIMIACCI exhibitions
- Leadership in climate transition across GLAMs and beyond, consolidated by the **SIMIACCI label**.

