ReUso 2026

New heritage and future strategies

Perspectives on conservation and promotion • Book of abstracts

14th International Congress Barcelona-Girona, 4-7 November

edited by
Alessandro Scarnato
Marisa García Vergara
Ángeles Layuno Rosas



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Front cover image: View of the bay of Cadaquès sketched for the recovery plan of the historic center. © Courtesy of architect Toni Gironès

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Surveying the Invisible: Digital Documentation, Construction History and Conservation Knowledge in Santa Maria Maddalena de' Pazzi, Florence

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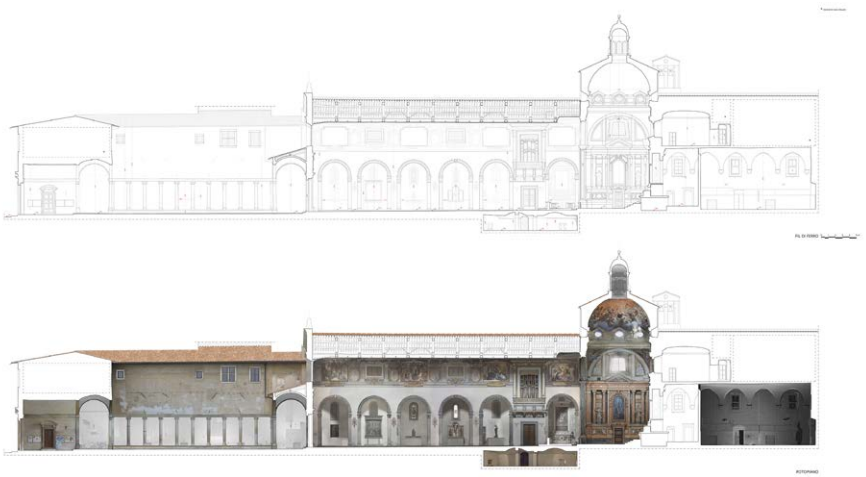
Keywords: Digital survey, Architectural palimpsest, Conservation, Roof structures, Santa Maria Maddalena de' Pazzi

The paper critically reinterprets the digital documentation of the Florentine complex of Santa Maria Maddalena de' Pazzi. Range-based and image-based survey produced point clouds, photogrammetric models, and two-dimensional drawings of the church, cloister, chapels, attics, and roofs. These data are read as evidence for construction and restoration history: from the painted reed-and-plaster (incannucciata) vault and timber roof system to Gothic-Cistercian traces, altar transformations, and hidden spaces associated with the relics. Digital survey thus becomes an instrument of knowledge for conservation.



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Alessandro Scarnato, PhD, is an architect and lecturer in Theory and History of Architecture at Polytechnic University of Catalonia. He's academically and professionally involved in studies and governance practices about urban culture, heritage and environmental design.

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