

Mountain Huts

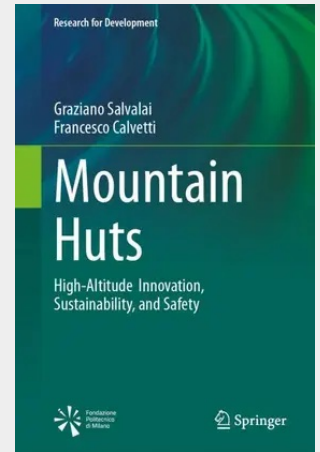
High-Altitude Innovation, Sustainability, and Safety

This volume provides an integrated examination of Alpine mountain huts, combining historical analysis with contemporary research and design innovation. It traces the evolution of these structures within the European Alpine context and addresses the challenges posed by climate change and shifting environmental conditions.

Drawing on investigations at the Regina Margherita Observatory Hut, the highest in the Alps, and a series of case studies across the region, the book explores materials, construction techniques, and energy-efficient technologies. It introduces a dedicated sustainability certification protocol and considers strategies for climate-adaptive architecture.

Organized into five sections, History and Typology, Design and Technology, Research Case Study, Contemporary Practices, and Future Perspectives, the work offers a multidisciplinary framework for understanding and shaping the next generation of resilient, sustainable mountain huts.

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