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Titolo	Hygrothermal Risk on Building Heritage : A Methodology for a Risk Map // by João M.P.Q. Delgado, Ana Sofia Guimarães, Vasco Peixoto de Freitas
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Soggetti	Building materials Geotechnical engineering Environmental management Climate change Building Materials Geotechnical Engineering & Applied Earth Sciences Water Policy/Water Governance/Water Management Climate Change/Climate Change Impacts
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Hygrothermal Risk -- Numerical Simulation Applied to Drying Out Buildings after a Flood -- Risk Map of Portuguese Building Heritage -- Conclusions and Recommendations.
Sommario/riassunto	This book presents a critical review of a criterion of risk, created to assess the flood risk to heritage buildings, and evaluates this criterion by applying it to the sample Portuguese heritage buildings. In a first approach, the total number of potential parameters is effectively reduced and the selected criteria are divided into two different groups: the monument's location in relation to a waterway, and the behaviour of its construction material in contact with water. Above all, the book discusses the importance of architectural heritage and argues for the need to safeguard it from extreme climatic phenomena such as floods. As such, the book vividly reminds the scientific community that the intensification of the global warming and climate change will worsen

throughout the 21st century, and that it is therefore necessary to adopt preventive measures to minimize, mitigate and control these adverse effects if we hope to avoid catastrophic consequences. At the same time, the book takes into account a broad range of scientific and engineering disciplines, such as civil engineering and architecture, offering a synthesis of the current state of knowledge to benefit and guide experts and practitioners in related fields.
