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Sommario/riassunto	This book explores the geological evolution of the Pyrenees during the Variscan and Alpine cycles. It provides a detailed analysis of tectonics and geodynamics, focusing on the deformation phases and magmatic processes that shaped the region. The work is coordinated by experts in geoscience and geology, including Nicolas Saspiturry, Jessica Uzel, and Alexandre Ortiz. The text delves into the implications of Paleozoic basement structuring on later Alpine phases, and examines Pb-Zn mineralizations and critical metal mobility within the Pyrenean domain. Intended for geoscientists and researchers, this publication aims to enhance understanding of the geological history and mineral resources of the Pyrenees.