

1. Record Nr.	UNINA9910682585903321
Autore	Nurce Bilbil
Titolo	Development of Classical and Modern Geodetic Reference Systems of Albania / / by Bilbil Nurçe
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	3-031-25366-3
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (120 pages)
Collana	SpringerBriefs in Earth System Sciences, , 2191-5903
Disciplina	516.16
Soggetti	Geophysics Geographic information systems Geomorphology Geographical Information System
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Classical horizontal references of Albania -- Classical vertical references of Albania -- Modern references in Albania -- Modern vertical reference of Albania -- Gravimetric reference of Albania -- Mathematical relations between the references of Albania -- Models of transformation of 2-D coordinates -- Transformation of heights.
Sommario/riassunto	This book addresses the problems of mathematical relations between global and classical coordinate references from the practical applications point of view. It presents a large cartographic and numerical information set, which provides great values for practical and academical use based on the classical Albanian coordinative reference (ALB1986/ALB1987). This information is reflected from the positional point of view in the new modern Albanian satellite reference ALBPOS (Albanian Positioning System) or ALBCORS (Albanian Continuous Operation Reference Stations System). The main purpose of this Monograph is to summarize coordinative references applied in Albania in different periods, both classical and modern. Relevant transformation models between traditional/classical reference ALB1986 / ALB1987 and GNSS satellite reference are presented. The book furthermore recommends the mathematical models of the relationship in plan and height, between the Albanian classical reference and the

global/European coordinate references (ITRF, EUREF). It serves to professionals involved in fundamental geodetic works as well as all working with GNSS or developing GIS applications.
